## SEQUENCE LISTING

\*\*\*

<110> Dana Ault-Riche Bruce Atkinson Krishnanand Kumble Lynne Jersaitis Gizette Sperinde <120> SYSTEMS FOR CAPTURE AND ANALYSIS OF BIOLOGICAL PARTICLES AND METHODS USING THE SYSTEMS <130> 25885-1759 <140> Not Yet Assigned <141> Herewith <150> 60/423,018 <151> 30-OCT-2002 <150> 60/422,923 <151> 30-OCT-2002 <160> 1094 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Primer <221> variation <222> 5,6,11,14,17 <223> N is any <400> 1 gatenngate ntengang 18 <210> 2 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Primer <221> variation <222> 5,6,11,14,17 <223> N is any <400> 2 18 gatcnngatc ntcngang <210> 3 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Primer

<221> variation

```
<222> 5,6,11,14,17
<223> N is any
<400> 3
gatcnngatc ntcngang
                                                                            18
<210> 4
<211> 74
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<221> variation
<222> 66
<223> N is G or T
<221> misc_feature
<222> 39-42
<223> Shine-Dalgarno sequence (AGGA)
<400> 4
gaattetaat acgaeteaet atagggttaa etttaagaag gagatataca tatgatggte
                                                                           60
cagcinctcg agtc
                                                                           74
<210> 5
<211> 53
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<221> variation
<222> 45
<223> N is G or T
<221> misc_feature
<222> (1) \dots (17) <223> T7 RNA polymerase promotor
<221> misc_feature
<222> 34-36
<223> Start codon
<400> 5
taatacgact cactataggg aagcttggcc accatggtcc agctnctcga gtc
                                                                           53
<210> 6
<211> 34
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: SfilNotIFor
<400> 6
catggcggcc cagccggcct aatgagcggc cgca
                                                                           34
<210> 7
<211> 34
<212> DNA
<213> Artificial Sequence
```

<220> <223> Oligonucleotide: SfilNotIRev	
<400> 7 agettgegge egeteattag geeggetggg eege	34
<210> 8 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: HAFor	
<400> 8 ctagaatatc cgtatgatgt gccggattat gcgaatagcg ccg	43
<210> 9 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: HARev	
<400> 9 tcgacggcgc tattcgcata atccggcaca tcatacggat aaa	43
<210> 10 <211> 40 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: M2For	
<400> 10 ctagaagatt ataaagatga cgacgataaa aatagcgccg	40
<210> 11 <211> 40 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: M2Rev	
<400> 11 tcgacggcgc tatttttatc gtcgtcatct ttataatcaa	40
<210> 12 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVHlaBACK	
<400> 12 caggtgcagc tggtgcagtc tgg	23
<210> 13 <211> 23 <212> DNA <213> Artificial Sequence	

<220> <223> Primer:HuVH2aBACK	
<400> 13 cageteaact taagggagte tgg	23
<210> 14 <211> 23 <212> DNA <213> Artificial Sequence	•
<220> <223> Primer:HuVH3aBACK	
<400> 14 gaggtgcagc tggtggagtc tgg	23
<210> 15 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer:HuVH4aBACK	
<400> 15 caggtgcagc tgcaggagtc ggg	23
<210> 16 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer:HuVH5aBACK	
<400> 16 gaggtgcagc tgttgcagtc tgc	23
<210> 17 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer:HuVH6aBACK	
<400> 17 caggtacagc tgcagcagtc agg	23
<210> 18 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer:HuJH1-2FOR	
<400> 18 tgaggagacg gtgaccaggg tgcc	24
<210> 19 <211> 24 <212> DNA <213> Artificial Sequence	

<220> <223> Primer: HuJH3FOR	
<400> 19 tgaagagacg gtgaccattg tccc	24
<210> 20 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJH4-5FOR	•
<400> 20 tgaggagacg gtgaccaggg ttcc	24
<210> 21 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJH6FOR	
<400> 21 tgaggagacg gtgaccgtgg tccc	24
<210> 22 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVkappalaBACK	
<400> 22 gacatccaga tgacccagtc tcc	23
<210> 23 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVkappa2aBACK	
<400> 23 gatgttgtga tgactcagtc tcc	23
<210> 24 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVkappa3aBACK	
<400> 24 gaaattgtgt tgacgcagtc tcc	23
<210> 25 <211> 23 <212> DNA <213> Artificial Sequence	

<220> <223> Primer: HuVkappa4aBACK	
<400> 25 gacatcgtga tgacccagtc tcc	23
<210> 26 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVkappa5aBACK	
<400> 26 gaaacgacac tcacgcagtc tcc	23
<210> 27 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVkappa6aBACK	
<400> 27 gaaattgtgc tgactcagtc tcc	: 23
<210> 28 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVlambda1BACK	
<400> 28 cagtctgtgt tgacgcagcc gcc	23
<210> 29 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVlambda2BACK	
<400> 29 cagtetgeec tgaetcagec tge	23
<210> 30 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVlambda3aBACK	
<400> 30 tectatgtge tgacteagee ace	23
<210> 31 <211> 23 <212> DNA <213> Artificial Sequence	

<220> <223> Primer: HuVlambda3bBACK	
<400> 31 tcttctgagc tgactcagga ccc	23
<210> 32 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVlambda4BACK	
<400> 32 cacgttatac tgactcaacc gcc	23
<210> 33 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVlambda5BACK	
<400> 33 caggctgtgc tcactcagcc gtc	23
<210> 34 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVlambda6BACK	
<400> 34 aattttatgc tgactcagcc cca	23
<210> 35 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJKappa1FOR	
<400> 35 acgtttgatt tccaccttgg tccc	24
<210> 36 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJKappa2FOR	
<400> 36 acgtttgatc tccagcttgg tccc	24
<210> 37 <211> 24 <212> DNA <213> Artificial Sequence	

<220> <223> Primer: HuJKappa3FOR	
<400> 37 acgtttgata tccactttgg tccc	24
<210> 38 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJKappa4FOR	
<400> 38 acgtttgatc tccaccttgg tccc	24
<210> 39 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJKappa5FOR	
<400> 39 acgtttaatc tccagtcgtg tccc	24
<210> 40 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJlambda1FOR	
<400> 40 acctaggacg gtgaccttgg tccc	24
<210> 41 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJlambda2-3FOR	
<400> 41 acctaggacg gtcagcttgg tccc	24
<210> 42 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuJlambda4-5FOR	
<400> 42 acctaaaacg gtgagctggg tccc	24
<210> 43 <211> 28 <212> DNA <213> Artificial Sequence	

<220> <223> Primer: RHuJH1-2	
<400> 43 gcaccetggt caccgtetee teaggtgg	28
<210> 44 <211> 28 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuJH3	
<400> 44 ggacaatggt caccgtctct tcaggtgg	28
<210> 45 <211> 28 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuJH3	
<400> 45 gaaccetggt caccgtetee teaggtgg	28
<210> 46 <211> 28 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuJH6	
<400> 46 ggaccacggt caccgtctcc tcaggtgg	28
<210> 47 <211> 32 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuVkappalaBACKFv	
<400> 47 ggagactggg tcatctggat gtccgattcg cc	32
<210> 48 <211> 32 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuVkappa2aBACKFv	
<400> 48 ggagactgag tcatcacaac atccgatccg cc	32
<210> 49 <211> 32 <212> DNA <213> Artificial Sequence	

<220> <223> Primer: RHuVka	ppa3aBACKFv			
<400> 49 ggagactgcg tcaacacaa	t ttccgatccg	cc		32
<210> 50 <211> 32 <212> DNA <213> Artificial Sequ	uence			
<220> <223> Primer: RHuVka	ppa4aBACKFv			
<400> 50 ggagactggg tcatcacga	t gtccgatccg	cc		32
<210> 51 <211> 32 <212> DNA <213> Artificial Sequ	uence			
<220> <223> Primer: RHuVka	opa5aBACKFv			
<400> 51 ggagactgcg tgagtgtcg	t ttccgatccg	cc		32
<210> 52 <211> 32 <212> DNA <213> Artificial Sequ	uence		ť	
<220> <223> Primer: RHuVka	opa6aBACKFv			
<400> 52 ggagactgag tcagcacaa	t ttccgatccg	cc		32
<210> 53 <211> 42 <212> DNA <213> Artificial Seq	ience			
<220> <223> Primer: RHuVla	mbdaBACK1Fv			
<400> 53 ggcggctgcg tcaacacag	a ctgcgatccg	ccaccgccag	ag	42
<210> 54 <211> 42 <212> DNA <213> Artificial Sequ	ıence			
<220> <223> Primer: RHuVlan	mbdaBACK2Fv			
<400> 54 gcaggctgag tcagagcag	a ctgcgatccg	ccaccgccag	ag	42
<210> 55 <211> 42 <212> DNA <213> Artificial Sequ	lence			

<220> <223> Primer: RHuVlambdaBACK3aFv	
<400> 55 ggtggctgag tcagcacata ggacgatccg ccaccgccag ag	42
<210> 56 <211> 42 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuVlambdaBACK3bFv	
<400> 56 gggtcctgag tcagctcaga agacgatccg ccaccgccag ag	42
<210> 57 <211> 42 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuVlambdaBACK4Fv	
<400> 57 ggcggttgag tcagtataac gtgcgatccg ccaccgccag ag	42
<210> 58 <211> 42 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuVlambdaBACK5Fv	
<400> 58 gacggctgag tcagcacaga ctgcgatccg ccaccgccag ag	42
<210> 59 <211> 42 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: RHuVlambdaBACK6Fv	
<400> 59 tggggctgag tcagcataaa attcgatccg ccaccgccag ag	42
<210> 60 <211> 56 <212> DNA <213> Artificial Sequence	
<220> <223> Primer: HuVHlaBACKSfi	
<400> 60 gtcctcgcaa ctgcggccca gccggccatg gcccaggtgc agctggtgca gtctgg	56
<210> 61 <211> 56 <212> DNA <213> Artificial Sequence	

```
<220>
<223> Primer: HuVH2aBACKSfi
<400> 61
gtectegeaa etgeggeeca geeggeeatg geecaggtea aettaaggga gtetgg
                                                                         56
<210> 62
<211> 56
<212> DNA
<213> Artifcial sequence
<223> Primer:HuVH3aBACKSfi
<400> 62
gtcctcgcaa ctgcggccca gccggccatg gccgaggtgc agctggtgga gtctgg
                                                                         56
<210> 63
<211> 56
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer: HuVH4aBACKSfi
gtcctcgcaa ctgcggccca gccggccatg gcccaggtgc agctgcagga gtcggg
                                                                         56
<210> 64
<211> 56
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer: HuVH5aBACKSfi
<400> 64
gtectegeaa etgeggeeca geeggeeatg geecaggtge agetgttgea gtetge
                                                                         56
<210> 65
<211> 56
<212> DNA
<213> Artifcial sequence
<220>
<223> Primer: HuVH6aBACKSfi
<400> 65
gtectegeaa etgeggeeca geeggeeatg geecaggtae agetgeagea gteagg
                                                                         56
<210> 66
<211> 48
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer: HuJKappa1FORNot
gagtcattct cgacttgcgg ccgcacgttt gatttccacc ttggtccc
                                                                         48
<210> 67
<211> 48
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Primer: HuJKappa2FORNot
<400> 67
gagtcattct cgacttgcgg ccgcacgttt gatctccagc ttggtccc
                                                                         48
<210> 68
<211> 48
<212> DNA
<213> Artificial Sequence
<223> Primer: HuJKappa3FORNot
<400> 68
gagtcattct cgacttgcgg ccgcacgttt gatatccact ttggtccc
                                                                         48
<210> 69
<211> 48
<212> DNA
<213> Artificial Sequence
<223> Primer: HuJKappa4FORNot
<400> 69
gagtcattct cgacttgcgg ccgcacgttt gatctccacc ttggtccc
                                                                         48
<210> 70
<211> 48
<212> DNA
<213> Artificial Sequence
<223> Primer: HuJKappa5FORNot
gagtcattct cgacttgcgg ccgcacgttt aatctccagt cgtgtccc
                                                                         48
<210> 71
<211> 48
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer: HuJlambda1FORNot
<400> 71
gagtcattct cgacttgcgg ccgcacctag gacggtgacc ttggtccc
                                                                         48
<210> 72
<211> 48
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer: HuJlambda2-3FORNot
gagtcattct cgacttgcgg ccgcacctag gacggtcagc ttggtccc
                                                                         48
<210> 73
<211> 48
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Primer: HuJlambda4-5FORNot
<400> 73
gagtcattct cgacttgcgg ccgcacctaa aacggtgagc tgggtccc
                                                                         48
<210> 74
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: HARev2
<400> 74
tcgacggcgc tattcgcata atccggcaca tcatacggat att
                                                                        43
<210> 75
<211> 58
<212> DNA
<213> Artificial Sequence
<223> Oligonucleotide: V5for
<400> 75
ctagaaggta agcctatccc taaccctctc ctcggtctcg attctacgaa tagcgccg
                                                                       58
<210> 76
<211> 58
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: V5rev
<400> 76
tegaeggege tattegtaga ategagaeeg aggagagggt tagggatagg ettacett
                                                                       58
<210> 77
<211> 58
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: StagFor
<400> 77
ctagaaaaag aaaccgctgc tgctaaattc gaacgccagc acatggacag cagcgccg
                                                                       58
<210> 78
<211> 58
<212> DNA
<213> Artificial Sequence
<223> Oligonucleotide: StagRev
```

<400> 78

tcgacggcgc tgctgtccat gtgctggcgt tcgaatttag cagcagcggt ttctttt	58
<210> 79 <211> 49 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: HSVtagFor	
<400> 79 ctagaacagc cggaactggc gccggaagat ccggaagata atagcgccg	49
<210> 80 <211> 49 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: HSVtagRev	
<400> 80 tcgacggcgc tattatcttc cggatcttcc ggcgccagtt ccggctgtt	49
<210> 81 <211> 49 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: T7tagFor	
<400> 81 ctagaaatgg ctagcatgac tggtggacag caaatgggta atagcgccg	49
<210> 82 <211> 49 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: T7tagRev	
<400> 82 tcgacggcgc tattacccat ttgctgtcca ccagtcatgc tagccattt	49
<210> 83 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: GluGluFor	
<400> 83 ctagaagaag aggaggaata tatgccgatg gaaaatagcg ccg	43
<210> 84 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide: GluGluRev	

```
<400> 84
tcgacggcgc tattttccat cggcatatat tcctcctctt ctt
                                                                       43
<210> 85
<211> 49
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: KT3For
ctagaaaaac cgccgacccc gccgccggaa ccggaaacca atagcgccg
                                                                       49
<210> 86
<211> 49
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: KT3Rev
<400> 86
tegacggege tattggttte eggtteegge ggeggggteg geggttttt
                                                                       49
<210> 87
<211> 55
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: EtagFor
ctagaaggtg cgccggtgcc gtatccggat ccgctggaac cgcgtaatag cgccg
                                                                      55
<210> 88
<211> 55
<212> DNA
<213> Artificial Sequence
<223> Oligonucleotide: EtagRev
<400> 88
tegaeggege tattaegegg tteeagegga teeggataeg geaeeggege acett
                                                                     55
<210> 89
<211> 49
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: VSVGfor
ctagaataca ccgacatcga aatgaaccgt ctgggtaaaa atagcgccg
                                                                      49
<210> 90
<211> 49
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide: VSVGrev
```

```
<400> 90
tcgacggcgc tatttttacc cagacggttc atttcgatgt cggtgtatt
                                                                            49
<210> 91
<211> 10
<212> PRT
<213> Epitope:myc
<400> 91
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
<210> 92
<211> 9
<212> PRT
<213> Epitope:HA
<400> 92
 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
<210> 93
<211> 8
<212> PRT
<213> Epitope:FLAG
<400> 93
Asp Tyr Lys Asp Asp Asp Lys
<210> 94
<211> 9
<212> PRT
<213> Epitope:GluGlu
<400> 94
Glu Glu Glu Tyr Met Pro Met Glu
<210> 95
<211> 14
<212> PRT
<213> Epitope:V5
<400> 95
Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr
<210> 96
<211> 11
<212> PRT
<213> Epitope:T7
<400> 96
Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly
<210> 97
<211> 11
<212> PRT
<213> Epitope:HSV
<400> 97
Gln Pro Glu Leu Ala Pro Glu Asp Pro Glu Asp
```

```
5
                                       10
  1
<210> 98
<211> 15
<212> PRT
<213> Epitope:S-tag
<400> 98
Lys Glu Thr Ala Ala Ala Lys Phe Glu Arg Gln His Met Asp Ser
                   5
 1
<210> 99
<211> 11
<212> PRT
<213> Epitope:KT3
<400> 99
Lys Pro Pro Thr Pro Pro Pro Glu Pro Glu Thr
<210> 100
<211> 13
<212> PRT
<213> Epitope:E-tag
<400> 100
Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg
<210> 101
<211> 11
<212> PRT
<213> Epitope:VSV-g
<400> 101
Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys
<210> 102
<211> 10
<212> PRT
<213> consensus sequence to for SH3 binding domains
<221> Xaa is any amino acid residue
<222> 1, 3, 4, 9
<400> 102
Xaa Pro Xaa Xaa Pro Pro Pro Phe Xaa Pro
                5
<210> 103
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK1
<400> 103
                                                                      38
ggcggtggcg gatcggacat tgttctcacc cagtctcc
<210> 104
<211> 38
```

<212> DNA <213> Artificial Sequence	
<220> <223> Primer MK2	
<400> 104 ggcggtggcg gatcggacat tgtgctsacc cagtctcc	38
<210> 105 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK3	
<400> 105 ggcggtggcg gatcggacat tgtgatgact cagtetee	38
<210> 106 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK4	
<400> 106 ggcggtggcg gatcggacat tgtgctmact cagtctcc	38
<210> 107 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK5	
<400> 107 ggcggtggcg gatcggacat tgtgytraca cagtctcc	38
<210> 108 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK6	
<400> 108 ggcggtggcg gatcggacat tgtratgaca cagtctcc	38
<210> 109 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK7	
<400> 109 ggcggtggcg gatcggacat tmagatracc cagtctcc	38
<210> 110	

<211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK8	
<400> 110 ggcggtggcg gatcggacat tcagatgamc cagtctcc	38
<210> 111 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK9	
<400> 111 ggcggtggcg gatcggacat tcagatgacd cagtctcc	38
<210> 112 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK10	
<400> 112 ggcggtggcg gatcggacat tcagatgaca cagactac	38
<210> 113 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK11	
<400> 113 ggcggtggcg gatcggacat tcagatcatt cagtctcc	38
<210> 114 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK12	
<400> 114 ggcggtggcg gatcggacat tgttctcawc cagtctcc	38
<210> 115 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK13	
<400> 115	20

<210> 116 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK14	
<400> 116 ggcggtggcg gatcggacat tgwgctsacc caatctcc	38
<210> 117 <211> 37 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK15	
<400> 117 ggcggtggcg gatcggacat tstgatgacc cartctc	37
<210> 118 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK16	
<400> 118 ggcggtggcg gatcggacat tktgatgacc caractcc	38
<210> 119 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK17	
<400> 119 ggcggtggcg gatcggacat tgtgatgact caggctac	38
<210> 120 <211> 38 <212> DNA <213> Artificial Sequence	
<220> <223> Primer MK18	
<400> 120 ggcggtggcg gatcggacat tgtgatgacb caggctgc	38
<210> 121 <211> 37 <212> DNA <213> Artificial Sequence	•
<220> <223> Primer MK19	
<400> 121 ggcggtggcg gatcggacat tgtgataacy caggatg	37

```
<210> 122
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK20
<400> 122
ggcggtggcg gatcggacat tgtgatgacc cagtttcg
                                                                    38
<210> 123
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK21
<400> 123
ggcggtggcg gatcggacat tgtgatgaca caacctgc
                                                                    38
<210> 124
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK22
<400> 124
ggcggtggcg gatcggacat tgtgatgacc cagattcc
                                                                    38
<210> 125
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK23
ggcggtggcg gatcggacat tttgctgact cagtctcc
                                                                    38
<210> 126
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK24
<400> 126
ggcggtggcg gatcggacat tgtaatgacc caatctcc
                                                                    38
<210> 127
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MK25
<400> 127
ggcggtggcg gatcggacat tgtgatgacc cacactcc
                                                                    38
```

```
<210> 128
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MKR1
<400> 128
gatggtgatg tgcggccgcc cgtttcagct ccagcttg
                                                                    38
<210> 129
<211> 40
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MKR2
<400> 129
gatggtgatg tgcggccgcc cgttttattt ccagcttggt
                                                                    40
<210> 130
<211> 39
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MKR3
<400> 130
gatggtgatg tgcggccgcc cgttttattt ccaactttg
                                                                    39
<210> 131
<211> 40
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MKR4
gatggtgatg tgcggccgcg gatacagttg gtgcagcatc
                                                                    40
<210> 132
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH1
cggcccagcc ggccatggcc gaggtrmagc ttcaggagtc aggac
                                                                    45
<210> 133
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH2
<400> 133
cggcccagcc ggccatggcc gaggtscagc tkcagcagtc aggac
                                                                    45
```

```
<210> 134
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH3
<400> 134
cggcccagcc ggccatggcc caggtgcagc tgaagsastc agg
                                                                    43
<210> 135
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH4
<400> 135
cggcccagcc ggccatggcc gaggtgcagc ttcaggagtc sggac
                                                                    45
<210> 136
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH5
<400> 136
cggcccagcc ggccatggcc gargtccagc tgcaacagtc yggac
                                                                    45
<210> 137
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH6
<400> 137
cggcccagcc ggccatggcc caggtccagc tkcagcaatc tgg
                                                                    43
<210> 138
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH7
<400> 138
cggcccagcc ggccatggcc cagstbcagc tgcagcagtc tgg
                                                                    43
<210> 139
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH8
<400> 139
cggcccagcc ggccatggcc caggtycagc tgcagcagtc tggrc
                                                                    45
```

```
<210> 140
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH9
<400> 140
cggcccagcc ggccatggcc gaggtycagc tycagcagtc tgg
                                                                    43
<210> 141
<211> 46
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH10
<400> 141
cggcccagcc ggccatggcc gaggtccarc tgcaacaatc tggacc
                                                                    46
<210> 142
<211> 44
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH11
<400> 142
cggcccagcc ggccatggcc caggtccacg tgaagcagtc tggg
                                                                    44
<210> 143
<211> 42
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH12
<400> 143
cggcccagcc ggccatggcc gaggtgaass tggtggaatc tg
                                                                    42
<210> 144
<211> 42
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH13
<400> 144
cggcccagcc ggccatggcc gavgtgaagy tggtggagtc tg
                                                                    42
<210> 145
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH14
<400> 145
cggcccagcc ggccatggcc gaggtgcags kggtggagtc tgggg
                                                                    45
```

```
<210> 146
<211> 44
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH15
<400> 146
cggcccagcc ggccatggcc gakgtgcamc tggtgcagtc tggg
                                                                    44
<210> 147
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH16
<400> 147
cggcccagcc ggccatggcc gaggtgaagc tgatggartc tgg
                                                                    43
<210> 148
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH17
<400> 148
cggcccagcc ggccatggcc gaggtgcarc ttgttgagtc tggtg
                                                                    45
<210> 149
<211> 44
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH18
<400> 149
cggcccaqcc ggccatggcc gargtraagc ttctcgagtc tgga
                                                                    44
<210> 150
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH19
<400> 150
cggcccagcc ggccatggcc gaagtgaars ttgaggagtc tgg
                                                                    43
<210> 151
<211> 44
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MH20
<400> 151
cggcccagcc ggccatggcc gaagtgatgc tggtggagtc tggg
                                                                    44
```

```
<210> 152
 <211> 45
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer MH21
 <400> 152
 cggcccagcc ggccatggcc caggttactc traaagwgts tggcc
                                                                      45
 <210> 153
 <211> 43
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer MH22
 <400> 153
 cggcccagcc ggccatggcc caggtccaac tvcagcarcc tgg
                                                                      43
 <210> 154
 <211> 42
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer MH23
 <400> 154
 cggcccagcc ggccatggcc caggtycarc tgcagcagtc tg
                                                                      42
 <210> 155
 <211> 43
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer MH24
 <400> 155
 cggcccagcc ggccatggcc gatgtgaact tggaagtgtc tgg
                                                                      43
 <210> 156
 <211> 43
<212> DNA
 <213> Artificial Sequence
 <220>
<223> Primer MH25
 cggcccagcc ggccatggcc gaggtgaagg tcatcgagtc tgg
                                                                      43
 <210> 157
 <211> 42
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer MHR1
 <400> 157
 accgcctcca cctggcgcgc ctgcagagac agtgaccaga gt
                                                                      42
```

```
<210> 158
<211> 42
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MHR2
<400> 158
accgcctcca cctggcgcgc ctgaggagac tgtgagagtg gt
                                                                    42
<210> 159
<211> 42
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MHR3
<400> 159
accgcctcca cctggcgcgc ctgaggagac ggtgactgag gt
                                                                    42
<210> 160
<211> 42
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer MHR4
<400> 160
accgcctcca cctggcgcgc ctgaggagac ggtgaccgtg gt
                                                                    42
<210> 161
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> Epitope Ab2
<400> 161
Leu Thr Pro Pro Met Gly Pro Val Ile Asp Gln Arg
                5
<210> 162
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> Epitope Ab4
<400> 162
Gln Pro Gln Ser Lys Gly Phe Glu Pro Pro Pro
<210> 163
<211> 4145
<212> DNA
<213> Artificial Sequence
```

<220>

## <223> Vector pBAD/gIII Form A

aagaaaccaa ttgtccatat tgcatcagac attgccgtca ctgcgtcttt tactggctct 60 tetegetaac caaaceggta acceegetta ttaaaagcat tetgtaacaa agegggacca 120 aagccatgac aaaaacgcgt aacaaaagtg tctataatca cggcagaaaa gtccacattg 180 attatttgca cggcgtcaca ctttgctatg ccatagcatt tttatccata agattagcgg 240 atcctacctq acqcttttta tcqcaactct ctactqtttc tccatacccq ttttttgggc 300 taacaggagg aattaaccat gaaaaaactg ctgttcgcga ttccgctggt ggtgccgttc 360 tatagccata gcaccatgga gctcgagatc tgcagctggt accatatggg aattcgaagc 420 tttctagaac aaaaactcat ctcagaagag gatctgaata gcgccgtcga ccatcatcat 480 catcatcatt gagtttaaac ggtctccagc ttggctgttt tggcggatga gagaagattt 540 tcagcctgat acagattaaa tcagaacgca gaagcggtct gataaaacag aatttgcctg 600 geggeagtag egeggtggte ceaectgaee ceatgeegaa eteagaagtg aaacgeegta 660 gcgccgatgg tagtgtgggg tctccccatg cgagagtagg gaactgccag gcatcaaata 720 aaacgaaagg ctcagtcgaa agactgggcc tttcgtttta tctgttgttt gtcggtgaac 780 geteteetga gtaggacaaa teegeeggga geggatttga aegttgegaa geaaeggeee 840 ggagggtggc gggcaggacg cccgccataa actgccaggc atcaaattaa gcagaaggcc 900 atcctgacgg atggcctttt tgcgtttcta caaactcttt ttgtttattt ttctaaatac 960 attcaaatat gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa 1020 aaaggaagag tatgagtatt caacatttcc gtgtcgccct tattcccttt tttgcggcat 1080 tttgccttcc tgtttttgct cacccagaaa cgctggtgaa agtaaaagat gctgaagatc. 1140 agttgggtgc acgagtgggt tacatcgaac tggatctcaa cagcggtaag atccttgaga 1200 gttttcgccc cgaagaacgt tttccaatga tgagcacttt taaagttctg ctatgtggcg 1260 cggtattatc ccgtgttgac gccgggcaag agcaactcgg tcgccgcata cactattctc 1320 agaatgactt ggttgagtac tcaccagtca cagaaaagca tcttacggat ggcatgacag 1380 taagagaatt atgcagtgct gccataacca tgagtgataa cactgcggcc aacttacttc 1440 tgacaacgat cggaggaccg aaggagctaa ccgctttttt gcacaacatg ggggatcatg 1500 taactcgcct tgatcgttgg gaaccggagc tgaatgaagc cataccaaac gacgagcgtg 1560 acaccacgat gcctgtagca atggcaacaa cgttgcgcaa actattaact ggcgaactac 1620 ttactctagc ttcccggcaa caattaatag actggatgga ggcggataaa gttgcaggac 1680 cacttetgeg eteggeeett eeggetgget ggtttattge tgataaatet ggageeggtg 1740 agegtgggte tegeggtate attgcageae tggggccaga tggtaagece teeegtateg 1800 tagttatcta cacgacgggg agtcaggcaa ctatggatga acgaaataga cagatcgctg 1860 agataggtgc ctcactgatt aagcattggt aactgtcaga ccaagtttac tcatatatac 1920 tttagattga tttaaaactt catttttaat ttaaaaggat ctaggtgaag atcctttttg 1980 ataatctcat gaccaaaatc ccttaacgtg agttttcgtt ccactgagcg tcagaccccg 2040 tagaaaagat caaaggatct tcttgagatc ctttttttct gcgcgtaatc tgctgcttgc 2100 aaacaaaaaa accaccgcta ccagcggtgg tttgtttgcc ggatcaagag ctaccaactc 2160 tttttccgaa ggtaactggc ttcagcagag cgcagatacc aaatactgtc cttctagtgt 2220 agcegtagtt aggecaceae tteaagaaet etgtageaee geetaeatae etegetetge 2280 taatcctgtt accagtggct gctgccagtg gcgataagtc gtgtcttacc gggttggact 2340 caagacgata gttaccggat aaggcgcagc ggtcgggctg aacggggggt tcgtgcacac 2400 ageccagett ggagegaacg acctacaceg aactgagata cetacagegt gagetatgag 2460 aaagcgccac gcttcccgaa gggagaaagg cggacaggta tccggtaagc ggcagggtcg 2520 gaacaggaga gcgcacgagg gagcttccag ggggaaacgc ctggtatctt tatagtcctg 2580 togggtttog coacctotga ottgagogto gatttttgtg atgotogtoa ggggggggga 2640 gcctatggaa aaacgccagc aacgcggcct ttttacggtt cctggccttt tgctggcctt 2700 ttgctcacat gttctttcct gcgttatccc ctgattctgt ggataaccgt attaccgcct 2760 ttgagtgagc tgataccgct cgccgcagcc gaacgaccga gcgcagcgag tcagtgagcg 2820 aggaagegga agagegeetg atgeggtatt tteteettae geatetgtge ggtattteae 2880 accgcatatg gtgcactctc agtacaatct gctctgatgc cgcatagtta agccagtata 2940 cactccgcta tcgctacgtg actgggtcat ggctgcgccc cgacacccgc caacacccgc 3000 tgacgcgccc tgacgggctt gtctgctccc ggcatccgct tacagacaag ctgtgaccgt 3060 ctccgggagc tgcatgtgtc agaggttttc accgtcatca ccgaaacgcg cgaggcagca 3120 gatcaattcg cgcgcgaagg cgaagcggca tgcataatgt gcctgtcaaa tggacgaagc 3180 agggattetg caaaccetat getacteegt caageegtea attgtetgat tegttaccaa 3240 ttatgacaac ttgacggcta catcattcac tttttcttca caaccggcac ggaactcgct 3300 cgggctggcc ccggtgcatt ttttaaatac ccgcgagaaa tagagttgat cgtcaaaacc 3360 aacattgcga ccgacggtgg cgataggcat ccgggtggtg ctcaaaaagca gcttcgcctg 3420 gctgatacgt tggtcctcgc gccagcttaa gacgctaatc cctaactgct ggcggaaaag 3480 atgtgacaga cgcgacggcg acaagcaaac atgctgtgcg acgctggcga tatcaaaatt 3540 gctgtctgcc aggtgatcgc tgatgtactg acaagcctcg cgtacccgat tatccatcgg 3600 tggatggagc gactcgttaa tcgcttccat gcgccgcagt aacaattgct caagcagatt 3660 talegecage ageteegaat agegeeette eeettgeeeg gegttaatga tttgeecaaa 3720

```
caggtegetg aaatgegget ggtgegette atcegggega aagaaceeeg tattggcaaa 3780
tattgacggc cagttaagcc attcatgcca gtaggcgcgc ggacgaaagt aaacccactg 3840
gtgataccat tcgcgagcct ccggatgacg accgtagtga tgaatctctc ctggcgggaa 3900
cagcaaaata tcacccggtc ggcaaacaaa ttctcgtccc tgatttttca ccacccctg 3960
accgcgaatg gtgagattga gaatataacc tttcattccc agcggtcggt cgataaaaaa 4020 atcgagataa ccgttggcct caatcggcgt taaacccgcc accagatggg cattaaacga 4080
gtatcccggc agcaggggat cattttgcgc ttcagccata cttttcatac tcccgccatt 4140
cagag
<210> 164
<211> 36
<212> DNA
<213> Artificial Sequence
<220>
<223> LinkF Primer
<400> 164
                                                                        36
caggcgccc aggtggaggc ggttcaggcg gaggtg
<210> 165
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> LinkR Primer
<400> 165
aatgtccgat ccgccaccgc c
                                                                        21
<210> 166
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> SfiFor Primer
<400> 166
tctcttccac cggcccagcc ggccatggcc
                                                                        30
<210> 167
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> NotRev Primer
<400> 167 ·
tcacactaca cgatggtgat gtgcggccgc
                                                                        30
<210> 168
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> Ab2For Primer
<400> 168
ctagaattga ctcctcctat gggtcctgtt attgatcagc ggc
                                                                        43
<210> 169
```

<211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> Ab2Rev Primer	
<400> 169 tcgagccgct gatcaataac aggacccata ggaggagtca att	43
<210> 170 <211> 43 <212> DNA	
<213> Artificial Sequence <220> <223> Ab4For Primer	
<400> 170 ctagaatata atatggaatc gtatctgtgg tatttggcgc cgc	43
<210> 171	
<220> <223> Ab4Rev Primer	
<400> 171 tcgagcggcg ccaaatacca cagatacgat tccatattat att	43
<210> 172 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> B34For Primer	
<400> 172 ctagaagatc ttcatgatga gcgtactctt cagtttaagc ttc	43
<210> 173 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> B34Rev Primer	
<400> 173 tcgagaagct taaactgaag agtacgctca tcatgaagat ctt	43
<210> 174 <211> 43 <212> DNA <213> Artificial Sequence	
<220> <223> P5D4aFor Primer	
<400> 174 ctagaacatc cgaatttgcc tgagactcgt cgttatgcgc tgc	43

```
<210> 175
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> P5D4aRev Primer
<400> 175
tcgagcagcg cataacgacg agtctcaggc aaattcggat gtt
                                                                    43
<210> 176
<211> 43
<212> DNA
<213> Artificial Sequence
<223> P5D4bFor Primer
<400> 176
ctagaatctt atactgggat tgagtttgat cgtttgtcga atc
                                                                    43
<210> 177
<211> 43
<212> DNA
<213> Artificial Sequence,
<220>
<223> P5D4bRev Primer
<400> 177
tcgagattcg acaaacgatc aaactcaatc ccagtataag att
                                                                    43
<210> 178
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> 4C10For Primer
<400> 178
ctagaaatgg tggatcctga ggcgcaggat gtgccgaagt ggc
                                                                    43
<210> 179
<211> 43
<212> DNA
<213> Artificial Sequence
<220>
<223> 4C10Rev Primer
<400> 179
tegagecact teggeacate etgegeetea ggatecacea ttt
                                                                    43
<210> 180
<211> 12
<212> PRT
<213> B34 EpArtificial Sequence
<223> B34 Epitope
<400> 180
Asp Leu His Asp Glu Arg Thr Leu Gln Phe Lys Leu
```

```
1
                5
                                      10
<210> 181
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> VSV-1 Epitope
<400> 181
His Pro Asn Leu Pro Glu Thr Arg Arg Tyr Ala Leu
<210> 182
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> VSV-2 Epitope
<400> 182
Ser Tyr Thr Gly Ile Glu Phe Asp Arg Leu Ser Asn
<210> 183
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> 4C10 Epitope
<400> 183
Met Val Asp Pro Glu Ala Gln Asp Val Pro Lys Trp
<210> 184
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 184
Pro Glu Gly Tyr Phe Gln
<210> 185
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 185
Pro Glu Ser Gly Phe Gln
```

```
1
                5
<210> 186
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 186
Pro Gly Tyr Glu Phe Gln
<210> 187
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 187
Pro Ser Gly Glu Phe Gln
<210> 188
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 188
Pro Gly Glu Phe Tyr Gln
<210> 189
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 189
Pro Ser Glu Phe Gly Gln
1
<210> 190
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 190
Pro Glu Lys Gly Tyr Asp
```

```
1
                5
<210> 191
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 191
Pro Glu Lys Ser Gly Asp
<210> 192
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 192
Pro Glu Gly Tyr Lys Asp
<210> 193
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 193
Pro Glu Ser Gly Lys Asp
<210> 194
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 194
Pro Gly Tyr Glu Lys Asp
<210> 195
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 195
Pro Ser Gly Glu Lys Asp
```

```
5
 1
<210> 196
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 196
Pro Gly Glu Lys Tyr Asp
<210> 197
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 197
Pro Ser Glu Lys Gly Asp
<210> 198
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 198
Pro Gln Thr Gly Tyr Glu
1 5
<210> 199
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 199
Pro Gln Thr Ser Gly Glu
1
<210> 200
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 200
```

Pro Gln Gly Tyr Thr Glu

```
1
                 5
<210> 201
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 201
Pro Gln Ser Gly Thr Glu
<210> 202
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 202
Pro Gly Tyr Gln Thr Glu
<210> 203
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 203
Pro Ser Gly Gln Thr Glu
<210> 204
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 204
Pro Gly Gln Thr Tyr Glu
1
<210> 205
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 205
Pro Ser Gln Thr Gly Glu
```

```
1
                  5
<210> 206
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 206
Pro Asn Glu Gly Tyr Phe
<210> 207
<211> 6
<212> PRT
<213> Artificial Sequence
.<220>
<223> synthetic peptide
<400> 207
Pro Asn Glu Ser Gly Phe
<210> 208
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 208
Pro Asn Gly Tyr Glu Phe
<210> 209
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 209
Pro Asn Ser Gly Glu Phe
 1
<210> 210
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 210
Pro Gly Tyr Asn Glu Phe
```

```
5
1
<210> 211
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 211
Pro Ser Gly Asn Glu Phe
<210> 212
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 212
Pro Gly Asn Glu Tyr Phe
<210> 213 '
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 213
Pro Ser Asn Glu Gly Phe
<210> 214
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 214
Pro Phe Glu Gly Tyr Gln
<210> 215
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 215
Pro Phe Glu Ser Gly Gln
```

```
5
<210> 216
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 216
Pro Phe Gly Tyr Glu Gln
<210> 217
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 217
Pro Phe Ser Gly Glu Gln
<210> 218
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 218
Pro Gly Tyr Phe Glu Gln
<210> 219
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 219
Pro Ser Gly Phe Glu Gln
<210> 220
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 220
Pro Gly Phe Glu Tyr Gln
```

```
5
 1
<210> 221
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 221
Pro Ser Phe Glu Gly Gln
<210> 222
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 222
Pro Phe His Gly Tyr Leu
<210> 223
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 223
Pro Phe His Ser Gly Leu
<210> 224
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 224
Pro Phe Gly Tyr His Leu
<210> 225
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 225
Pro Phe Ser Gly His Leu
```

```
5
 1
<210> 226
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 226
Pro Gly Tyr Phe His Leu
<210> 227
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 227
Pro Ser Gly Phe His Leu
<210> 228
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 228
Pro Gly Phe His Tyr Leu
<210> 229
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 229
Pro Ser Phe His Gly Leu
<210> 230
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 230
```

Pro His Glu Gly Tyr Lys

```
1
                5
<210> 231
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 231
Pro His Glu Ser Gly Lys
<210> 232
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 232
Pro His Gly Tyr Glu Lys
<210> 233
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 233
Pro His Ser Gly Glu Lys
<210> 234
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 234
Pro Gly Tyr His Glu Lys
<210> 235
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 235
Pro Ser Gly His Glu Lys
```

```
<210> 236
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 236
Pro Gly His Glu Tyr Lys
<210> 237
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 237
Pro Ser His Glu Gly Lys
<210> 238
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 238
Pro His Thr Gly Tyr Phe
<210> 239
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 239
Pro His Thr Ser Gly Phe
<210> 240
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 240
Pro His Gly Tyr Thr Phe
```

```
1
                 5
<210> 241
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 241
Pro His Ser Gly Thr Phe
<210> 242
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 242
Pro Gly Tyr His Thr Phe
<210> 243
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 243
Pro Ser Gly His Thr Phe
<210> 244
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 244
Pro Gly His Thr Tyr Phe
1 5
<210> 245
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 245
Pro Ser His Thr Gly Phe
```

```
1
                5
<210> 246
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 246
Pro Thr Leu Gly Tyr Asp
<210> 247
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 247
Pro Thr Leu Ser Gly Asp
<210> 248
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 248
Pro Thr Gly Tyr Leu Asp
<210> 249
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 249
Pro Thr Ser Gly Leu Asp
<210> 250
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 250
Pro Gly Tyr Thr Leu Asp
```

```
1
                 5
<210> 251
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 251
Pro Ser Gly Thr Leu Asp
<210> 252
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 252
Pro Gly Thr Leu Tyr Asp
<210> 253
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 253
Pro Ser Thr Leu Gly Asp
<210> 254
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 254
Pro Lys His Gly Tyr Thr
<210> 255
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 255
Pro Lys His Ser Gly Thr
```

```
1
                 5
<210> 256
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 256
Pro Lys Gly Tyr His Thr
<210> 257
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 257
Pro Lys Ser Gly His Thr
<210> 258
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 258
Pro Gly Tyr Lys His Thr
<210> 259
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 259
Pro Ser Gly Lys His Thr
1
<210> 260
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 260
Pro Gly Lys His Tyr Thr
```

```
1
                5
<210> 261
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 261
Pro Ser Lys His Gly Thr
<210> 262
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 262
Pro Leu Asp Gly Tyr Asn
<210> 263
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 263
Pro Leu Asp Ser Gly Asn
<210> 264
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 264
Pro Leu Gly Tyr Asp Asn
<210> 265
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 265
Pro Leu Ser Gly Asp Asn
```

```
1
                5
<210> 266
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 266
Pro Gly Tyr Leu Asp Asn
<210> 267
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 267
Pro Ser Gly Leu Asp Asn
<210> 268
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 268
Pro Gly Leu Asp Tyr Asn
1 (
<210> 269
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 269
Pro Ser Leu Asp Gly Asn
1
<210> 270
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 270
Gln Glu Pro Gly Tyr Asp
```

```
1
                5
<210> 271
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 271
Gln Glu Pro Ser Gly Asp
                 5
<210> 272
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 272
Gln Glu Gly Tyr Pro Asp
<210> 273
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 273
Gln Glu Ser Gly Pro Asp
<210> 274
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 274
Gln Gly Tyr Glu Pro Asp
<210> 275
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 275
Gln Ser Gly Glu Pro Asp
```

```
1
                5
<210> 276
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 276
Gln Gly Glu Pro Tyr Asp
<210> 277
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 277
Gln Ser Glu Pro Gly Asp
<210> 278
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 278
Gln Glu Thr Gly Tyr Phe
<210> 279
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 279
Gln Glu Thr Ser Gly Phe
<210> 280
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 280
Gln Glu Gly Tyr Thr Phe
```

```
1
                5
<210> 281
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 281
Gln Glu Ser Gly Thr Phe
<210> 282
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 282
Gln Gly Tyr Glu Thr Phe
<210> 283
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 283
Gln Ser Gly Glu Thr Phe
<210> 284
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 284
Gln Gly Glu Thr Tyr Phe
1 5
<210> 285
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 285
Gln Ser Glu Thr Gly Phe
```

```
1
                 5
<210> 286
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 286
Gln Pro Glu Gly Tyr His
<210> 287
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 287
Gln Pro Glu Ser Gly His
<210> 288
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 288
Gln Pro Gly Tyr Glu His
<210> 289
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 289
Gln Pro Ser Gly Glu His
                 5
<210> 290
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 290
Gln Gly Tyr Pro Glu His
```

```
1
                5
<210> 291
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 291
Gln Ser Gly Pro Glu His
<210> 292
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 292
Gln Gly Pro Glu Tyr His
<210> 293
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 293
Gln Ser Pro Glu Gly His
<210> 294
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 294
Gln Asn His Gly Tyr Glu 5
1
<210> 295
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 295
Gln Asn His Ser Gly Glu
```

```
1
                 5
<210> 296
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 296
Gln Asn Gly Tyr His Glu
<210> 297
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 297
Gln Asn Ser Gly His Glu
<210> 298
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 298
Gln Gly Tyr Asn His Glu
<210> 299
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 299
Gln Gly Tyr Asn His Glu
1
                 5
<210> 300
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 300
Gln Gly Asn His Tyr Glu
```

```
1
                5
<210> 301
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 301
Gln Ser Asn His Gly Glu
<210> 302
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 302
Gln Phe Glu Gly Tyr Lys
<210> 303
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 303
Gln Phe Glu Ser Gly Lys
<210> 304
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 304
Gln Phe Gly Tyr Glu Lys
<210> 305
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 305
```

Gln Phe Ser Gly Glu Lys

```
1
                5
<210> 306
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 306
Gln Gly Tyr Phe Glu Lys
<210> 307
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 307
Gln Ser Gly Phe Glu Lys
<210> 308
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 308
Gln Gly Phe Glu Tyr Lys
<210> 309
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 309
Gln Ser Phe Glu Gly Lys
<210> 310
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 310
```

Gln Thr Phe Gly Tyr Asn

```
1
                 5
<210> 311
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 311
Gln Thr Phe Ser Gly Asn
<210> 312
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 312
Gln Thr Gly Tyr Phe Asn
                 5
<210> 313
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 313
Gln Thr Ser Gly Phe Asn
<210> 314
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 314
Gln Gly Tyr Thr Phe Asn
                 5
<210> 315
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 315
```

Gln Ser Gly Thr Phe Asn

```
1
                 5
<210> 316
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 316
Gln Gly Thr Phe Tyr Asn
<210> 317
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 317
Gln Ser Thr Phe Gly Asn
<210> 318
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 318
Gln Lys Glu Gly Tyr Phe
<210> 319
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 319
Gln Lys Glu Ser Gly Phe
<210> 320
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 320
Gln Lys Gly Tyr Glu Phe
```

```
1
<210> 321
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 321
Gln Lys Ser Gly Glu Phe
<210> 322
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 322
Gln Gly Tyr Lys Glu Phe
<210> 323
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 323
Gln Ser Gly Lys Glu Phe
<210> 324
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 324
Gln Gly Lys Glu Tyr Phe
<210> 325
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 325
Gln Ser Lys Glu Gly Phe
```

```
1
                5
<210> 326
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 326
Gln Leu His Gly Tyr Thr
<210> 327
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 327
Gln Leu His Ser Gly Thr
<210> 328
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 328
Gln Leu Gly Tyr His Thr
<210> 329
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 329
Gln Leu Ser Gly His Thr
1
                5
<210> 330
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 330
```

Gln Gly Tyr Leu His Thr

```
1
                 5
<210> 331
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 331
Gln Ser Gly Leu His Thr
<210> 332
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 332
Gln Gly Leu His Tyr Thr
<210> 333
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 333
Gln Ser Leu His Gly Thr
<210> 334
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 334
Gln Leu Asp Gly Tyr Glu
<210> 335
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 335
Gln Leu Asp Ser Gly Glu
```

```
1
                5
<210> 336
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 336
Gln Leu Gly Tyr Asp Glu
<210> 337
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 337
Gln Leu Ser Gly Asp Glu
<210> 338
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 338
Gln Gly Tyr Leu Asp Glu
<210> 339
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 339
Gln Ser Gly Leu Asp Glu
<210> 340
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 340
Gln Gly Leu Asp Tyr Glu
```

```
1
                 5
<210> 341
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 341
Gln Ser Leu Asp Gly Glu
<210> 342
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 342
Asn Glu Pro Gly Tyr Leu
<210> 343
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 343
Asn Glu Pro Ser Gly Leu
<210> 344
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 344
Asn Glu Gly Tyr Pro Leu
1
                 5
<210> 345
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 345
Asn Glu Ser Gly Pro Leu
```

```
1
<210> 346
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 346
Asn Gly Tyr Glu Pro Leu
<210> 347
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 347
Asn Ser Gly Glu Pro Leu
<210> 348
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 348
Asn Gly Glu Pro Tyr Leu
<210> 349
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 349
Asn Ser Glu Pro Gly Leu
1
<210> 350
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 350
```

Asn Glu Phe Gly Tyr His

```
1
                5
<210> 351
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 351
Asn Glu Phe Ser Gly His
<210> 352
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 352
Asn Glu Gly Tyr Phe His
1
<210> 353
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 353
Asn Glu Ser Gly Phe His
<210> 354
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 354
Asn Gly Tyr Glu Phe His
1
<210> 355
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 355
Asn Ser Gly Glu Phe His
```

```
1
                 5
<210> 356
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 356
Asn Gly Glu Phe Tyr His
<210> 357
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 357
Asn Ser Glu Phe Gly His
<210> 358
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 358
Asn Pro Glu Gly Tyr Phe
<210> 359
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 359
Asn Pro Glu Ser Gly Phe
<210> 360
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 360
Asn Pro Gly Tyr Glu Phe
```

```
1
                 5
 <210> 361
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 361
 Asn Pro Ser Gly Glu Phe
 <210> 362
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 362
 Asn Gly Tyr Pro Glu Phe
 <210> 363
 <211> 6
 <212> PRT
~<213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 363
 Asn Ser Gly Pro Glu Phe
 <210> 364
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 364
 Asn Gly Pro Glu Tyr Phe
 <210> 365
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <223> synthetic peptide
 <400> 365
 Asn Ser Pro Glu Gly Phe
```

```
1
                5
<210> 366
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 366
Asn Gln His Gly Tyr Asp
<210> 367
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 367
Asn Gln His Ser Gly Asp
<210> 368
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 368
Asn Gln Gly Tyr His Asp
<210> 369
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 369
Asn Gln Ser Gly His Asp
1
<210> 370
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 370
Asn Gly Tyr Gln His Asp
```

```
1
<210> 371
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 371
Asn Ser Gly Gln His Asp
<210> 372
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 372
Asn Gly Gln His Tyr Asp
<210> 373
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 373
Asn Ser Gln His Gly Asp
<210> 374
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 374
Asn Phe Glu Gly Tyr Pro
<210> 375
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 375
```

Asn Phe Glu Ser Gly Pro

```
1
                5
<210> 376
<211> 6
<212> PRT
<213> Artificial Sequence
<223's synthetic peptide
<400> 376
Asn Phe Gly Tyr Glu Pro
<210> 377
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 377
Asn Phe Ser Gly Glu Pro
<210> 378
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 378
Asn Gly Tyr Phe Glu Pro
<210> 379
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 379
Asn Ser Gly Phe Glu Pro
1
<210> 380
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 380
Asn Gly Phe Glu Tyr Pro
```

```
5
<210> 381
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 381
Asn Ser Phe Glu Gly Pro
<210> 382
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 382
Asn Phe Lys Gly Tyr His
<210> 383
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 383
Asn Phe Lys Ser Gly His
<210> 384
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 384
Asn Phe Gly Tyr Lys His
<210> 385
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 385
Asn Phe Ser Gly Lys His
```

```
1
                5
<210> 386
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 386
Asn Gly Tyr Phe Lys His
<210> 387
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 387
Asn Ser Gly Phe Lys His
<210> 388
<211> 6
<212> PRT
<213> Artificial Sequence
.<220>
<223> synthetic peptide
<400> 388
Asn Gly Phe Lys Tyr His 1 5
<210> 389
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 389
Asn Ser Phe Lys Gly His
<210> 390
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 390
```

Asn His Pro Gly Tyr Thr

```
5
 1
<210> 391
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 391
Asn His Pro Ser Gly Thr
<210> 392
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 392
Asn His Gly Tyr Pro Thr
<210> 393
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 393
Asn His Ser Gly Pro Thr
<210> 394
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 394
Asn Gly Tyr His Pro Thr
                 5
<210> 395
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 395
```

Asn Ser Gly His Pro Thr

```
1
                5
<210> 396
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 396
Asn Gly His Pro Tyr Thr
<210> 397
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 397
Asn Ser His Pro Gly Thr
<210> 398
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 398
Asn His Thr Gly Tyr Asp
<210> 399
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 399
Asn His Thr Ser Gly Asp
<210> 400
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 400
Asn His Gly Tyr Thr Asp
```

```
1
                5
<210> 401
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 401
Asn His Ser Gly Thr Asp
<210> 402
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 402
Asn Gly Tyr His Thr Asp
<210> 403
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 403
Asn Ser Gly His Thr Asp
<210> 404
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 404
Asn Gly His Thr Tyr Asp
1 5
<210> 405
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 405
Asn Ser His Thr Gly Asp
```

```
1
                5
<210> 406
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 406
Asn Thr His Gly Tyr Lys
<210> 407
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 407
Asn Thr His Ser Gly Lys
<210> 408
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 408
Asn Thr Gly Tyr His Lys
<210> 409
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 409
Asn Thr Ser Gly His Lys
1
<210> 410
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 410
Asn Gly Tyr Thr His Lys
```

```
<210> 411
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 411
Asn Ser Gly Thr His Lys
<210> 412
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 412
Asn Gly Thr His Tyr Lys
<210> 413
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 413
Asn Ser Thr His Gly Lys
<210> 414
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 414
Asn Lys His Gly Tyr Leu
1
<210> 415
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 415
```

Asn Lys His Ser Gly Leu

```
1
                5
<210> 416
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 416
Asn Lys Gly Tyr His Leu
<210> 417
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 417
Asn Lys Ser Gly His Leu
<210> 418
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 418
Asn Gly Tyr Lys His Leu
 1
<210> 419
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 419
Asn Ser Gly Lys His Leu
 1
<210> 420
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 420
Asn Gly Lys His Tyr Leu
```

```
5
1
<210> 421
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 421
Asn Ser Lys His Gly Leu
<210> 422
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 422
Asn Leu Phe Gly Tyr Asp
<210> 423
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 423
Asn Leu Phe Ser Gly Asp
<210> 424
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 424
Asn Leu Gly Tyr Phe Asp
<210> 425
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 425
```

Asn Leu Ser Gly Phe Asp

```
<210> 426
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 426
Asn Gly Tyr Leu Phe Asp
<210> 427
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 427
Asn Ser Gly Leu Phe Asp
<210> 428
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 428
Asn Gly Leu Phe Tyr Asp
<210> 429
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 429
Asn Ser Leu Phe Gly Asp
1
<210> 430
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 430
```

Asn Asp Leu Gly Tyr Phe

```
1
                5
<210> 431
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 431
Asn Asp Leu Ser Gly Phe
<210> 432
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 432
Asn Asp Gly Tyr Leu Phe
<210> 433
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 433
Asn Asp Ser Gly Leu Phe
1
<210> 434
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 434
Asn Gly Tyr Asp Leu Phe
1
                 5
<210> 435
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 435
Asn Ser Gly Asp Leu ,Phe
```

```
<210> 436
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 436
Asn Gly Asp Leu Tyr Phe
<210> 447
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 437
Asn Ser Asp Leu Gly Phe
<210> 438
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 438
Phe Glu Gln Gly Tyr Pro
1 5
<210> 439
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 439
Phe Glu Gln Ser Gly Pro
1
<210> 440
<211 > 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 440
```

Phe Glu Gly Tyr Gln Pro

```
5
<210> 441
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 441
Phe Glu Ser Gly Gln Pro
<210> 442
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 442
Phe Gly Tyr Glu Gln Pro
<210> 443
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 443
Phe Ser Gly Glu Gln Pro
1
<210> 444
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 444
Phe Gly Glu Gln Tyr Pro
<210> 445
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 445
```

Phe Ser Glu Gln Gly Pro

```
5
<210> 446
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 446
Phe Glu Lys Gly Tyr Thr
<210> 447
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 447
Phe Glu Lys Ser Gly Thr
<210> 448
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 448
Phe Glu Gly Tyr Lys Thr
<210> 449
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 449
Phe Glu Ser Gly Lys Thr
<210> 450
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 450
```

Phe Gly Tyr Glu Lys Thr

```
1
                5
<210> 451
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 451
Phe Ser Gly Glu Lys Thr
<210> 452
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 452
Phe Gly Glu Lys Tyr Thr
<210> 453
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 453
Phe Ser Glu Lys Gly Thr
1
<210> 454
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 454
Phe Glu Asp Gly Tyr His
<210> 455
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 455
Phe Glu Asp Ser Gly His
```

```
1
                 5
<210> 456
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 456
Phe Glu Gly Tyr Asp His
<210> 457
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 457
Phe Glu Ser Gly Asp His
<210> 458
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 458
Phe Gly Tyr Glu Asp His
<210> 459
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 459
Phe Ser Gly Glu Asp His
1
<210> 460
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 460
Phe Gly Glu Asp Tyr His
```

```
1
                 5
<210> 461
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 461
Phe Ser Glu Asp Gly His
<210> 462
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 462
Phe Pro Asn Gly Tyr Glu
<210> 463
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 463
Phe Pro Asn Ser Gly Glu
<210> 464
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 464
Phe Pro Gly Tyr Asn Glu
1
                 5
<210> 465
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 465
Phe Pro Ser Gly Asn Glu
```

```
<210> 466
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 466
Phe Gly Tyr Pro Asn Glu
<210> 467
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 467
Phe Ser Gly Pro Asn Glu
<210> 468
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 468
Phe Gly Pro Asn Tyr Glu
<210> 469
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 469
Phe Ser Pro Asn Gly Glu
 1
                  5
<210> 470
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 470
```

Phe Pro Lys Gly Tyr Leu

```
1
                 5
<210> 471
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 471
Phe Pro Lys Ser Gly Leu
<210> 472
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 472
Phe Pro Gly Tyr Lys Leu
<210> 473
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 473
Phe Pro Ser Gly Lys Leu
<210> 474
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 474
Phe Gly Tyr Pro Lys Leu
<210> 475
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 475
Phe Ser Gly Pro Lys Leu
```

```
5
<210> 476
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 476
Phe Gly Pro Lys Tyr Leu
<210> 477
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 477
Phe Ser Pro Lys Gly Leu
<210> 478
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 478
Phe Gln Asn Gly Tyr Lys
<210> 479
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 479
Phe Gln Asn Ser Gly Lys
<210> 480
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 480
Phe Gln Gly Tyr Asn Lys
```

```
1
                  5
<210> 481
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 481
Phe Gln Ser Gly Asn Lys
<210> 482
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 482
Phe Gly Tyr Gln Asn Lys
<210> 483
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 483
Phe Ser Gly Gln Asn Lys
<210> 484
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 484
Phe Gly Gln Asn Tyr Lys
 1
<210> 485
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 485
```

Phe Ser Gln Asn Gly Lys

```
<210> 486
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 486
Phe Asn Pro Gly Tyr Glu
<210> 487
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 487
Phe Asn Pro Ser Gly Glu
<210> 488
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 488
Phe Asn Gly Tyr Pro Glu
<210> 489
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 489
Phe Asn Ser Gly Pro Glu
<210> 490
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 490
```

Phe Gly Tyr Asn Pro Glu

```
1
                 5
<210> 491
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 491
Phe Ser Gly Asn Pro Glu
<210> 492
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 492
Phe Gly Asn Pro Tyr Glu
<210> 493
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 493
Phe Ser Asn Pro Gly Glu
1
<210> 494
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 494
Phe His Glu Gly Tyr Pro
1
<210> 495
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 495
```

Phe His Glu Ser Gly Pro

```
1
<210> 496
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 496
Phe His Gly Tyr Glu Pro
<210> 497
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 497
Phe His Ser Gly Glu Pro
<210> 498
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 498
Phe Gly Tyr His Glu Pro
<210> 499
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 499
Phe Ser Gly His Glu Pro
1
<210> 500
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 500
```

Phe Gly His Glu Tyr Pro

```
<210> 501
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 501
  Phe Ser His Glu Gly Pro
  <210> 502
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 502
  Phe His Lys Gly Tyr Glu
  <210> 503
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 503
  Phe His Lys Ser Gly Glu
  <210> 504
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 504
 Phe His Gly Tyr Lys Glu 1 5
  1
  <210> 505
 <211> 6
<212> PRT
  <213> Artificial Sequence
 <220>
<223> synthetic peptide
  <400> 505
 Phe His Ser Gly Lys Glu
```

```
5
<210> 506
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 506
Phe Gly Tyr His Lys Glu
<210> 507
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 507
Phe Ser Gly His Lys Glu
<210> 508
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 508
Phe Gly His Lys Tyr Glu
<210> 509
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 509
Phe Ser His Lys Gly Glu
<210> 510
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 510
Phe Thr His Gly Tyr Asn
```

```
<210> 511
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 511
Phe Thr His Ser Gly Asn
                 5
<210> 512
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 512
Phe Thr Gly Tyr His Asn
<210> 513
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 513
Phe Thr Ser Gly His Asn
<210> 514
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 514
Phe Gly Tyr Thr His Asn
1
                 5
<210> 515
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 515
Phe Ser Gly Thr His Asn
```

```
<210> 516
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 516
Phe Gly Thr His Tyr Asn
<210> 517
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 517
Phe Ser Thr His Gly Asn
<210> 518
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 518
Phe Thr Leu Gly Tyr Gln
<210> 519
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 519
Phe Thr Leu Ser Gly Gln
<210> 520
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 520
```

Phe Thr Gly Tyr Leu Gln

```
<210> 521
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 521
Phe Thr Ser Gly Leu Gln
<210> 522
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 522
Phe Gly Tyr Thr Leu Gln
<210> 523
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 523
Phe Ser Gly Thr Leu Gln
1
<210> 524
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 524
Phe Gly Thr Leu Tyr Gln
1
<210> 525
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 525
Phe Ser Thr Leu Gly Gln
```

```
5
<210> 526
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 526
Phe Lys Gln Gly Tyr His
<210> 527
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 527
Phe Lys Gln Ser Gly His
<210> 528
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 528
Phe Lys Gly Tyr Gln His
1
<210> 529
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 529
Phe Lys Ser Gly Gln His
1
<210> 530
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 530
Phe Gly Tyr Lys Gln His
```

```
5
<210> 531
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 531
Phe Ser Gly Lys Gln His
<210> 532
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 532
Phe Gly Lys Gln Tyr His
<210> 533
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 533
Phe Ser Lys Gln Gly His
<210> 534
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 534
Phe Lys Leu Gly Tyr Pro
1
<210> 535
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 535
```

Phe Lys Leu Ser Gly Pro

```
<210> 536
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 536
Phe Lys Gly Tyr Leu Pro
<210> 537
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 537
Phe Lys Ser Gly Leu Pro
<210> 538
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 538
Phe Gly Tyr Lys Leu Pro
1
<210> 539
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 539
Phe Ser Gly Lys Leu Pro
<210> 540
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 540
Phe Gly Lys Leu Tyr Pro
```

```
<210> 541
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 541
Phe Ser Lys Leu Gly Pro
<210> 542
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 542
Phe Leu Glu Gly Tyr Asp
<210> 543
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 543
Phe Leu Glu Ser Gly Asp
1
<210> 544
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 544
Phe Leu Gly Tyr Glu Asp
<210> 545
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 545
Phe Leu Ser Gly Glu Asp
```

```
1
<210> 546
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 546
Phe Gly Tyr Leu Glu Asp
<210> 547
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 547
Phe Ser Gly Leu Glu Asp
<210> 548
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 548
Phe Gly Leu Glu Tyr Asp
<210> 549
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 549
Phe Ser Leu Glu Gly Asp
1
<210> 550
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 550
Phe Leu His Gly Tyr Gln
```

```
<210> 551
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 551
Phe Leu His Ser Gly Gln
<210> 552
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 552
Phe Leu Gly Tyr His Gln
<210> 553
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 553
Phe Leu Ser Gly His Gln
1
<210> 554
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 554
Phe Gly Tyr Leu His Gln
1
                 5
<210> 555
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 555
Phe Ser Gly Leu His Gln
```

```
<210> 556
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 556
Phe Gly Leu His Tyr Gln
<210> 557
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 557
Phe Ser Leu His Gly Gln
<210> 558
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 558
Phe Asp Thr Gly Tyr Glu
<210> 559
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 559
Phe Asp Thr Ser Gly Glu
<210> 560
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 560
Phe Asp Gly Tyr Thr Glu
```

```
1
                  5
<210> 561
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 561
Phe Asp Ser Gly Thr Glu
<210> 562
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 562
Phe Gly Tyr Asp Thr Glu
<210> 563
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 563
Phe Ser Gly Asp Thr Glu
<210> 564
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 564
Phe Gly Asp Thr Tyr Glu
1
<210> 565
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 565
Phe Ser Asp Thr Gly Glu
```

```
. 1
                  5
<210> 566
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 566
His Glu Gln Gly Tyr Phe
<210> 567
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 567
His Glu Gln Ser Gly Phe
<210> 568
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 568
His Glu Gly Tyr Gln Phe
<210> 569
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 569
His Glu Ser Gly Gln Phe
 1
                 5
<210> 570
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 570
His Gly Tyr Glu Gln Phe
```

```
1
<210> 571
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 571
His Ser Gly Glu Gln Phe
<210> 572
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 572
His Gly Glu Gln Tyr Phe
<210> 573
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 573
His Ser Glu Gln Gly Phe
<210> 574
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 574
His Glu Lys Gly Tyr Pro
 1
<210> 575
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 575
His Glu Lys Ser Gly Pro
```

```
1
                 5
<210> 576
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 576
His Glu Gly Tyr Lys Pro
<210> 577
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 577
His Glu Ser Gly Lys Pro
<210> 578
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 579
His Gly Tyr Glu Lys Pro
<210> 579
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 579
His Ser Gly Glu Lys Pro
<210> 580
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 580
```

His Gly Glu Lys Tyr Pro

```
5,
<210> 581
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 581
His Ser Glu Lys Gly Pro
<210> 582
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 582
His Pro Glu Gly Tyr Asp
<210> 583
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 583
His Pro Glu Ser Gly Asp
<210> 584
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 584
His Pro Gly Tyr Glu Asp
<210> 585
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 585
His Pro Ser Gly Glu Asp
```

```
1
                 5
<210> 586
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 586
His Gly Tyr Pro Glu Asp
<210> 587
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 587
His Ser Gly Pro Glu Asp
<210> 588
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 588
His Gly Pro Glu Tyr Asp
1 5
<210> 589
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 589
His Ser Pro Glu Gly Asp
<210> 590
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 590
His Pro Phe Gly Tyr Leu
```

```
1
<210> 591
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 591
His Pro Phe Ser Gly Leu
                  5
<210> 592
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 592
His Pro Gly Tyr Phe Leu
<210> 593
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 593
His Pro Ser Gly Phe Leu
 1
<210> 594
<211> 6
<212> PRT
<213> Artificial Sequence
· <220>
<223> synthetic peptide
<400> 594
His Gly Tyr Pro Phe Leu
                  5
<210> 595
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 595
His Ser Gly Pro Phe Leu
```

```
1
<210> 596
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 596
His Gly Pro Phe Tyr Leu
<210> 597
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 597
His Ser Pro Phe Gly Leu
<210> 598
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 598
His Gln Glu Gly Tyr Leu
<210> 599
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 599
His Gln Glu Ser Gly Leu
1
                 5
<210> 600
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 600
His Gln Gly Tyr Glu Leu
```

```
<210> 601
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 601
His Gln Ser Gly Glu Leu
<210> 602
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 602
His Gly Tyr Gln Glu Leu
<210> 603
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 603
His Ser Gly Gln Glu Leu
<210> 604
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 604
His Gly Gln Glu Tyr Leu
1 5
<210> 605
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 605
His Ser Gln Glu Gly Leu
```

```
5
<210> 606
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 606
His Gln Thr Gly Tyr Asn
<210> 607
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 607
His Gln Thr Ser Gly Asn
<210> 608
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 608
His Gln Gly Tyr Thr Asn
<210> 609
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 609
His Gln Ser Gly Thr Asn
                 5
<210> 610
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 610
```

His Gly Tyr Gln Thr Asn

```
1
                5
<210> 611
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 611
His Ser Gly Gln Thr Asn
<210> 612
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 612
His Gly Gln Thr Tyr Asn
<210> 613
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 613
His Ser Gln Thr Gly Asn
1
<210> 614
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 614
His Asn Lys Gly Tyr Asp
<210> 615
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 615
His Asn Lys Ser Gly Asp
```

```
<210> 616
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 616
His Asn Gly Tyr Lys Asp
<210> 617
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 617
His Asn Ser Gly Lys Asp
<210> 618
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 618
His Gly Tyr Asn Lys Asp
<210> 619
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 619
His Ser Gly Asn Lys Asp
<210> 620
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 620
```

His Gly Asn Lys Tyr Asp

```
<210> 621
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 621
His Ser Asn Lys Gly Asp
<210> 622
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 622
His Asn Asp Gly Tyr Thr
<210> 623
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 623
His Asn Asp Ser Gly Thr
<210> 624
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 624
His Asn Gly Tyr Asp Thr
 1
<210> 625
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 625
His Asn Ser Gly Asp Thr
```

```
1
                  5
 <210> 626
 <211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
 <400> 626
His Gly Tyr Asn Asp Thr
<210> 627
<211> 6
 <212> PRT
 <213> Artificial Sequence
<220>
<223> synthetic peptide
 <400> 627
His Ser Gly Asn Asp Thr
<210> 628
<211> 6
<212> PRT
 <213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 628
His Gly Asn Asp Tyr Thr
 1
<210> 629
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 629
His Ser Asn Asp Gly Thr
<210> 630
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 630
His Phe Thr Gly Tyr Lys
```

```
1
                 5
<210> 631
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 631
His Phe Thr Ser Gly Lys
<210> 632
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 632
His Phe Gly Tyr Thr Lys
<210> 633
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 633
His Phe Ser Gly Thr Lys
1
<210> 634
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 634
His Gly Tyr Phe Thr Lys
<210> 635
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 635
His Ser Gly Phe Thr Lys
```

```
1
<210> 636
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 636
His Gly Phe Thr Tyr Lys
<210> 637
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 637
His Ser Phe Thr Gly Lys
<210> 638
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 638
His Thr Pro Gly Tyr Asn
<210> 639
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 639
His Thr Pro Ser Gly Asn
<210> 640
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 640
His Thr Gly Tyr Pro Asn
```

```
<210> 641
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 641
His Thr Ser Gly Pro Asn
<210> 642
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 642
His Gly Tyr Thr Pro Asn
<210> 643
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 643
His Ser Gly Thr Pro Asn
<210> 644
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 644
His Gly Thr Pro Tyr Asn
 1
<210> 645
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 645
His Ser Thr Pro Gly Asn
```

```
1
<210> 646
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 646
His Thr Phe Gly Tyr Gln
<210> 647
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 647
His Thr Phe Ser Gly Gln
<210> 648
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 648
His Thr Gly Tyr Phe Gln
<210> 649
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 649
His Thr Ser Gly Phe Gln
1
                 5
<210> 650
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 650
```

His Gly Tyr Thr Phe Gln

```
<210> 651
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 651
His Ser Gly Thr Phe Gln
<210> 652
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 652
His Gly Thr Phe Tyr Gln
<210> 653
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 653
His Ser Thr Phe Gly Gln
<210> 654
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 654
His Lys Pro Gly Tyr Glu
1
<210> 655
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 655
```

His Lys Pro Ser Gly Glu

```
1
                 5
<210> 656
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 656
His Lys Gly Tyr Pro Glu
<210> 657
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 657
His Lys Ser Gly Pro Glu
<210> 658
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 658
His Gly Tyr Lys Pro Glu
1
<210> 659
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 659
His Ser Gly Lys Pro Glu
1
<210> 660
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 660
His Gly Lys Pro Tyr Glu
```

```
5
<210> 661
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 661
His Ser Lys Pro Gly Glu
<210> 662
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 662
His Leu Glu Gly Tyr Phe
<210> 663
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 663
His Leu Glu Ser Gly Phe
<210> 664
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 664
His Leu Gly Tyr Glu Phe
                 5
<210> 665
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 665
```

His Leu Ser Gly Glu Phe

```
<210> 666
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 666
His Gly Tyr Leu Glu Phe
<210> 667
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 667
His Ser Gly Leu Glu Phe
<210> 668
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 668
His Gly Leu Glu Tyr Phe
<210> 669
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 669
His Ser Leu Glu Gly Phe
<210> 670
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 670
His Asp Thr Gly Tyr Leu
```

```
5
 1
<210> 671
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 671
His Asp Thr Ser Gly Leu
<210> 672
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 672
His Asp Gly Tyr Thr Leu
                 5
<210> 673
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 673
His Asp Ser Gly Thr Leu
1
<210> 674
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 674
His Gly Tyr Asp Thr Leu
<210> 675
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 675
```

His Ser Gly Asp Thr Leu

```
1
                5
<210> 676
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 676
His Gly Asp Thr Tyr Leu
<210> 677
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 677
His Ser Asp Thr Gly Leu
1
<210> 678
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 678
Thr Glu Phe Gly Tyr Leu
1
<210> 679
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 679
Thr Glu Phe Ser Gly Leu
<210> 680
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 680
Thr Glu Gly Tyr Phe Leu
```

```
5
 1
<210> 681
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 681
Thr Glu Ser Gly Phe Leu
<210> 682
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 682
Thr Gly Tyr Glu Phe Leu
<210> 683
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 683
Thr Ser Gly Glu Phe Leu
<210> 684
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 684
Thr Gly Glu Phe Tyr Leu
1
<210> 685
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 685
Thr Ser Glu Phe Gly Leu
```

```
5
<210> 686
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 686
Thr Pro Asp Gly Tyr Lys
<210> 687
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 687
Thr Pro Asp Ser Gly Lys
<210> 688
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 688
Thr Pro Gly Tyr Asp Lys
1
<210> 689
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 689
Thr Pro Ser Gly Asp Lys
<210> 690
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 690
Thr Gly Tyr Pro Asp Lys
```

```
1
                5
<210> 691
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 691
Thr Ser Gly Pro Asp Lys
<210> 692
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 692
Thr Gly Pro Asp Tyr Lys
<210> 693
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 693
Thr Ser Pro Asp Gly Lys
<210> 694
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 694
Thr Gln Leu Gly Tyr Glu
<210> 695
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 695
Thr Gln Leu Ser Gly Glu
```

```
<210> 696
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 696
Thr Gln Gly Tyr Leu Glu
<210> 697
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 697
Thr Gln Ser Gly Leu Glu
<210> 698
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 698
Thr Gly Tyr Gln Leu Glu
.1
<210> 699
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 699
Thr Ser Gly Gln Leu Glu
1
<210> 700
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 700
Thr Gly Gln Leu Tyr Glu
```

```
1
                5
<210> 701
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 701
Thr Ser Gln Leu Gly Glu
<210> 702
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 702
Thr Asn Asp Gly Tyr Leu
<210> 703
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 703
Thr Asn Asp Ser Gly Leu
<210> 704
<211> 5
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 704
Thr Asn Gly Tyr Asp
<210> 705
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 705
Thr Asn Ser Gly Asp Leu
```

```
<210> 706
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 706
Thr Gly Tyr Asn Asp Leu
<210> 707
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 707
Thr Ser Gly Asn Asp Leu
<210> 708
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 708
Thr Gly Asn Asp Tyr Leu
<210> 709
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 709
Thr Ser Asn Asp Gly Leu
<210> 710
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 710
Thr Phe His Gly Tyr Glu
```

```
1
                 5
<210> 711
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 711
Thr Phe His Ser Gly Glu
<210> 712
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 712
Thr Phe Gly Tyr His Glu
<210> 713
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 713
Thr Phe Ser Gly His Glu
1
<210> 714
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 714
Thr Gly Tyr Phe His Glu
1
<210> 715
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 715
```

Thr Ser Gly Phe His Glu

```
<210> 716
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 716
Thr Gly Phe His Tyr Glu
<210> 717
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 717
Thr Ser Phe His Gly Glu
<210> 718
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 718
Thr His Leu Gly Tyr Lys
<210> 719
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 719
Thr His Leu Ser Gly Lys
<210> 720
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 720
```

Thr His Gly Tyr Leu Lys

```
5
1
<210> 721
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 721
Thr His Ser Gly Leu Lys
<210> 722
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 722
Thr Gly Tyr His Leu Lys
<210> 723
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 723
Thr Ser Gly His Leu Lys
1
<210> 724
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 724
Thr Gly His Leu Tyr Lys
<210> 725
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 725
Thr Ser His Leu Gly Lys
```

```
5
<210> 726
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 726
Thr Leu Asn Gly Tyr Phe
1 5
<210> 727
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 727
Thr Leu Asn Ser Gly Phe
<210> 728
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 728
Thr Leu Gly Tyr Asn Phe
1
<210> 729
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 729
Thr Leu Ser Gly Asn Phe
<210> 730
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 730
```

Thr Gly Tyr Leu Asn Phe

```
<210> 731
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 731
Thr Ser Gly Leu Asn Phe
                 5
<210> 732
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 732
Thr Gly Leu Asn Tyr Phe
<210> 733
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 733
Thr Ser Leu Asn Gly Phe
1
<210> 734
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 734
Thr Asp Glu Gly Tyr Gln
<210> 735
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 735
Thr Asp Glu Ser Gly Gln
```

```
1
<210> 736
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 736
Thr Asp Gly Tyr Glu Gln
<210> 737
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 737
Thr Asp Ser Gly Glu Gln
<210> 738
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 738
Thr Gly Tyr Asp Glu Gln
<210> 739 -
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 739
Thr Ser Gly Asp Glu Gln
1
                  5
<210> 740
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 740
Thr Gly Asp Glu Tyr Gln
```

```
<210> 741
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 741
Thr Ser Asp Glu Gly Gln
                5
<210> 742
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 742
Lys Glu Pro Gly Tyr His
<210> 743
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 743
Lys Glu Pro Ser Gly His
<210> 744
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 744
Lys Glu Gly Tyr Pro His
<210> 745
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 745
Lys Glu Ser Gly Pro His
```

```
5
 1
<210> 746
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 746
Lys Gly Tyr Glu Pro His
<210> 747
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 747
Lys Ser Gly Glu Pro His
<210> 748
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 748
Lys Gly Glu Pro Tyr His
<210> 749
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 749
Lys Ser Glu Pro Gly His
<210> 750
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 750
```

Lys Glu Asp Gly Tyr Phe

```
1
                 5
<210> 751
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 751
Lys Glu Asp Ser Gly Phe
<210> 752
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 752
Lys Glu Gly Tyr Asp Phe
<210> 753
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 753
Lys Glu Ser Gly Asp Phe
<210> 754
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 754
Lys Gly Tyr Glu Asp Phe
<210> 755
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 755
```

Lys Ser Gly Glu Asp Phe

```
. 1
  <210> 756
  <211> 6
  <212> PRT
<213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 756
  Lys Gly Glu Asp Tyr Phe
  <210> 757
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 757
  Lys Ser Glu Asp Gly Phe
  <210> 758
  <211> 6
  <212> PRT
  <213> Artificial Sequence
 <220>
  <223> synthetic peptide
  <400> 758
 Lys Pro His Gly Tyr Asn
  <210> 759
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
 <223> synthetic peptide
  <400> 759
 Lys Pro His Ser Gly Asn
  <210> 760
  <211> 6
  <212> PRT
  <213> Artificial Sequence
 <223> synthetic peptide
 <400> 760
```

Lys Pro Gly Tyr His Asn

```
5
 1
<210> 761
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 761
Lys Pro Ser Gly His Asn
<210> 762
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 762
Lys Gly Tyr Pro His Asn
<210> 763
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 763
Lys Ser Gly Pro His Asn
                 5
<210> 764
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 764
Lys Gly Pro His Tyr Asn
<210> 765
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 765
Lys Ser Pro His Gly Asn
```

```
1
                  5
<210> 766
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 766
Lys Gln Asn Gly Tyr Thr
<210> 767
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 767
Lys Gln Asn Ser Gly Thr
<210> 768
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 768
Lys Gln Gly Tyr Asn Thr
<210> 769 <211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 769
Lys Gln Ser Gly Asn Thr
<210> 770
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 770
```

Lys Gly Tyr Gln Asn Thr

```
1
<210> 771
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 771
Lys Ser Gly Gln Asn Thr
<210> 772
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 772
Lys Gly Gln Asn Tyr Thr
<210> 773
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 773
Lys Ser Gln Asn Gly Thr
<210> 774
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 774
Lys Asn Pro Gly Tyr Leu
1 5
<210> 775
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 775
```

Lys Asn Pro Ser Gly Leu

```
1
<210> 776
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 776
Lys Asn Gly Tyr Pro Leu
<210> 777
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 777
Lys Asn Ser Gly Pro Leu
<210> 778
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 778
Lys Gly Tyr Asn Pro Leu
<210> 779
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 779
Lys Ser Gly Asn Pro Leu
                 5
<210> 780
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 780
```

Lys Gly Asn Pro Tyr Leu

```
5
<210> 781
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 781
Lys Ser Asn Pro Gly Leu
<210> 782
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 782
Lys Asn Asp Gly Tyr Gln
<210> 783
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 783
Lys Asn Asp Ser Gly Gln
<210> 784
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 784
Lys Asn Gly Tyr Asp Gln
<210> 785
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 785
Lys Asn Ser Gly Asp Gln
```

```
1
<210> 786
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 786
Lys Gly Tyr Asn Asp Gln
<210> 787
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 787
Lys Ser Gly Asn Asp Gln
<210> 788
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 788
Lys Gly Asn Asp Tyr Gln
<210> 789
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 789
Lys Ser Asn Asp Gly Gln
<210> 790
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 790
```

Lys Phe His Gly Tyr Pro

```
1
<210> 791
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 791
Lys Phe His Ser Gly Pro
<210> 792
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 792
Lys Phe Gly Tyr His Pro
<210> 793
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 793
Lys Phe Ser Gly His Pro
<210> 794
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 794
Lys Gly Tyr Phe His Pro
<210> 795
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 795
Lys Ser Gly Phe His Pro
```

```
<210> 796
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 796
Lys Gly Phe His Tyr Pro
<210> 797
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 797
Lys Ser Phe His Gly Pro
<210> 798
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 798
Lys Phe Leu Gly Tyr His
<210> 799
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 799
Lys Phe Leu Ser Gly His
                 5
<210> 800
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 800
Lys Phe Gly Tyr Leu His
```

```
<210> 801
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 801
Lys Phe Ser Gly Leu His
<210> 802
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 802
Lys Gly Tyr Phe Leu His
<210> 803
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 803
Lys Ser Gly Phe Leu His
<210> 804
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 804
Lys Gly Phe Leu Tyr His
<210> 805
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 805
Lys Ser Phe Leu Gly His
```

```
5
1
<210> 806
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 806
Lys His Pro Gly Tyr Asp
<210> 807
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 807
Lys His Pro Ser Gly Asp
<210> 808
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 808
Lys His Gly Tyr Pro Asp
<210> 809
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 809
Lys His Ser Gly Pro Asp
<210> 810
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 810
```

Lys Gly Tyr His Pro Asp

```
1
                  5
  <210> 811
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <223> synthetic peptide
  <400> 811
  Lys Ser Gly His Pro Asp
  <210> 812
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 812
  Lys Gly His Pro Tyr Asp
  <210> 813
  <211> 6
  <212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 813
  Lys Ser His Pro Gly Asp
  <210> 814
  <211> 6
<212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
  <400> 814
  Lys Thr Asn Gly Tyr Asp
  <210> 815
  <211> 6
<212> PRT
  <213> Artificial Sequence
  <220>
  <223> synthetic peptide
· <400> 815
  Lys Thr Asn Ser Gly Asp
```

```
1
                 5
<210> 816
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 816
Lys Thr Gly Tyr Asn Asp
<210> 817
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 817
Lys Thr Ser Gly Asn Asp
<210> 818
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 818
Lys Gly Tyr Thr Asn Asp
<210> 819
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 819
Lys Ser Gly Thr Asn Asp
<210> 820
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 820
```

Lys Gly Thr Asn Tyr Asp

```
1
                   5
 <210> 821
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <223> synthetic peptide
  <400> 821
 Lys Ser Thr Asn Gly Asp
 <210> 822
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 822
 Lys Asp Asn Gly Tyr Leu
 <210> 823
 <211> 6
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 823
 Lys Asp Asn Ser Gly Leu
 <210> 824
 <211> 6
<212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 824
 Lys Asp Gly Tyr Asn Leu
 <210> 825
 <211> 6
<212> PRT
 <213> Artificial Sequence
 <220>
 <223> synthetic peptide
 <400> 825
, Lys Asp Ser Gly Asn Leu
```

```
1
<210> 826
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 826
Lys Gly Tyr Asp Asn Leu
<210> 827
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 827
Lys Ser Gly Asp Asn Leu
<210> 828
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 828
Lys Gly Asp Asn Tyr Leu
<210> 829
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 829
Lys Ser Asp Asn Gly Leu
<210> 830
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 830
Lys Asp His Gly Tyr Glu
```

```
<210> 831
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 831
Lys Asp His Ser Gly Glu
<210> 832
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 832
Lys Asp Gly Tyr His Glu
<210> 833
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 833
Lys Asp Ser Gly His Glu
<210> 834
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 834
Lys Gly Tyr Asp His Glu
<210> 835
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 835
```

Lys Ser Gly Asp His Glu

```
1
<210> 836
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 836
Lys Gly Asp His Tyr Glu
<210> 837
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 837
Lys Ser Asp His Gly Glu
<210> 838
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 838
Leu Glu Phe Gly Tyr Lys
<210> 839
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 839
Leu Glu Phe Ser Gly Lys
                 5
<210> 840
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 840
```

Leu Glu Gly Tyr Phe Lys

```
<210> 841
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 841
Leu Glu Ser Gly Phe Lys
<210> 842
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 842
Leu Gly Tyr Glu Phe Lys
<210> 843
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 843
Leu Ser Gly Glu Phe Lys
<210> 844
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 844
Leu Gly Glu Phe Tyr Lys
<210> 845
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 845
```

Leu Ser Glu Phe Gly Lys

```
5
 1
<210> 846
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 846
Leu Gln Glu Gly Tyr Asn
<210> 847
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 848
Leu Gln Glu Ser Gly Asn
<210> 848
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 848
Leu Gln Gly Tyr Glu Asn
<210> 849
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 849
Leu Gln Ser Gly Glu Asn
<210> 850
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 850
```

Leu Gly Tyr Gln Glu Asn

```
5
<210> 851
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 851
Leu Ser Gly Gln Glu Asn
<210> 852
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 852
Leu Gly Gln Glu Tyr Asn
<210> 853
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 853
Leu Ser Gln Glu Gly Asn
<210> 854
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 854
Leu Asn Gln Gly Tyr Thr
<210> 855
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 855
```

Leu Asn Gln Ser Gly Thr

```
1
<210> 856
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 856
Leu Asn Gly Tyr Gln Thr
<210> 857
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 857
Leu Asn Ser Gly Gln Thr
<210> 858
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 858
Leu Gly Tyr Asn Gln Thr
<210> 859
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 859
Leu Ser Gly Asn Gln Thr
<210> 860
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 860
Leu Gly Asn Gln Tyr Thr
```

```
<210> 861
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 861
Leu Ser Asn Gln Gly Thr
<210> 862
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 862
Leu Phe His Gly Tyr Lys
<210> 863
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 863
Leu Phe His Ser Gly Lys
<210> 864
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 864
Leu Phe Gly Tyr His Lys
1
<210> 865
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 865
```

Leu Phe Ser Gly His Lys

```
5
<210> 866
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 866
Leu Gly Tyr Phe His Lys
<210> 867
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 867
Leu Ser Gly Phe His Lys
<210> 868
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 868
Leu Gly Phe His Tyr Lys
<210> 869
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 869
Leu Ser Phe His Gly Lys
<210> 870
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 870
Leu Phe Lys Gly Tyr Asp
```

```
<210> 871
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 871
Leu Phe Lys Ser Gly Asp
<210> 872
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 872
Leu Phe Gly Tyr Lys Asp
<210> 873
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 873
Leu Phe Ser Gly Lys Asp
<210> 874
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 874
Leu Gly Tyr Phe Lys Asp
1
<210> 875
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 875
```

Leu Ser Gly Phe Lys Asp

```
1
                 5
<210> 876
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 876
Leu Gly Phe Lys Tyr Asp
<210> 877
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 877
Leu Ser Phe Lys Gly Asp
<210> 878
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 878
Leu His Asp Gly Tyr Phe
1 5
<210> 879
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 879
Leu His Asp Ser Gly Phe
<210> 880
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 880
Leu His Gly Tyr Asp Phe
```

```
1
                 5
<210> 881
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 881
Leu His Ser Gly Asp Phe
<210> 882
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 882
Leu Gly Tyr His Asp Phe
<210> 883
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 883
Leu Ser Gly His Asp Phe
<210> 884
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 884
Leu Gly His Asp Tyr Phe
1
<210> 885
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 885
```

Leu Ser His Asp Gly Phe

```
<210> 886
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 886
Leu Thr Asp Gly Tyr Lys
<210> 887
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 887
Leu Thr Asp Ser Gly Lys
<210> 888
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 888
Leu Thr Gly Tyr Asp Lys
<210> 889
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 889
Leu Thr Ser Gly Asp Lys
<210> 890
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 890
```

Leu Gly Tyr Thr Asp Lys

```
1
<210> 891
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 891
Leu Ser Gly Thr Asp Lys
<210> 892
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 892
Leu Gly Thr Asp Tyr Lys
<210> 893
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 893
Leu Ser Thr Asp Gly Lys
<210> 894
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 894
Leu Asp Glu Gly Tyr His
<210> 895
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 895
Leu Asp Glu Ser Gly His
```

```
1
                5
<210> 896
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 896
Leu Asp Gly Tyr Glu His
<210> 897
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 897
Leu Asp Ser Gly Glu His
<210> 898
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 898
Leu Gly Tyr Asp Glu His
<210> 899
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 899
Leu Ser Gly Asp Glu His
1
                 5
<210> 900
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 900
Leu Gly Asp Glu Tyr His
```

```
5
<210> 901
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 901
Leu Ser Asp Glu Gly His
<210> 902
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 902
Asp Glu Pro Gly Tyr Lys
<210> 903
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 903
Asp Glu Pro Ser Gly Lys
<210> 904
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 904
Asp Glu Gly Tyr Pro Lys
1
<210> 905
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 905
Asp Glu Ser Gly Pro Lys
```

```
1
                 5
<210> 906
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 906
Asp Gly Tyr Glu Pro Lys
<210> 907
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 907
Asp Ser Gly Glu Pro Lys
<210> 908
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 908
Asp Gly Glu Pro Tyr Lys
<210> 909
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 909
Asp Ser Glu Pro Gly Lys
<210> 910
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 910
```

Asp Glu Leu Gly Tyr Thr

```
5
1
<210> 911
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 911
Asp Glu Leu Ser Gly Thr
<210> 912
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 912
Asp Glu Gly Tyr Leu Thr
<210> 913
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 913
Asp Glu Ser Gly Leu Thr
<210> 914
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 914
Asp Gly Tyr Glu Leu Thr
<210> 915
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 915
Asp Ser Gly Glu Leu Thr
```

```
1
<210> 916
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 916
Asp Gly Glu Leu Tyr Thr
<210> 917
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 917
Asp Ser Glu Leu Gly Thr
<210> 918
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 918
Asp Asn Lys Gly Tyr Gln
<210> 919
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 919
Asp Asn Lys Ser Gly Gln
1
<210> 920
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 920
Asp Asn Gly Tyr Lys Gln
```

```
1
                 5
<210> 921
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 921
Asp Asn Ser Gly Lys Gln
<210> 922
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 922
Asp Gly Tyr Asn Lys Gln
<210> 923
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 923
Asp Ser Gly Asn Lys Gln
<210> 924
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 924
Asp Gly Asn Lys Tyr Gln
<210> 925
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 925
Asp Ser Asn Lys Gly Gln
```

```
<210> 926
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 926
Asp Thr Glu Gly Tyr Gln
<210> 927
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 927
Asp Thr Glu Ser Gly Gln
<210> 928
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 928
Asp Thr Gly Tyr Glu Gln
<210> 929
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 929
Asp Thr Ser Gly Glu Gln
<210> 930
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 930
Asp Gly Tyr Thr Glu Gln
```

```
1
                  5
<210> 931
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 931
Asp Ser Gly Thr Glu Gln
<210> 932
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 932
Asp Gly Thr Glu Tyr Gln
<210> 933
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 933
Asp Ser Thr Glu Gly Gln
<210> 934
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 934
Asp Lys His Gly Tyr Pro
<210> 935
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 935
Asp Lys His Ser Gly Pro
```

```
1
                 5
<210> 936
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 936
Asp Lys Gly Tyr His Pro
<210> 937
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 937
Asp Lys Ser Gly His Pro
<210> 938
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 938
Asp Gly Tyr Lys His Pro
<210> 939
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 939
Asp Ser Gly Lys His Pro
<210> 940
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 940
Asp Gly Lys His Tyr Pro
```

```
1
                5
<210> 941
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 941
Asp Ser Lys His Gly Pro
<210> 942
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 942
Asp Leu Thr Gly Tyr Phe
<210> 943
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 943
Asp Leu Thr Ser Gly Phe
<210> 944
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 944
Asp Leu Gly Tyr Thr Phe
<210> 945
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 945
```

Asp Leu Ser Gly Thr Phe

```
<210> 946
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 946
Asp Gly Tyr Leu Thr Phe
<210> 947
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 947
Asp Ser Gly Leu Thr Phe
<210> 948
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 948
Asp Gly Leu Thr Tyr Phe
<210> 949
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 949
Glu Pro Asn Gly Tyr Phe
1 5
<210> 950
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 950
Glu Pro Asn Ser Gly Phe
```

```
<210> 951
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 951
Glu Pro Gly Tyr Asn Phe
<210> 952
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 952
Glu Pro Ser Gly Asn Phe
<210> 953
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 953
Glu Gly Tyr Pro Asn Phe
<210> 954
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 954
Glu Ser Gly Pro Asn Phe
<210> 955
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 955
Glu Gly Pro Asn Tyr Phe
                 5
```

```
<210> 956
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 956
Glu Ser Pro Asn Gly Phe
<210> 957
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 957
Glu Pro His Gly Tyr Lys
<210> 958
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 958
Glu Pro His Ser Gly Lys
<210> 959
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 959
Glu Pro Gly Tyr His Lys
<210> 960
<211> 6
<212> PRT
<213> Artificial Sequence .
<220>
<223> synthetic peptide
<400> 960
Glu Pro Ser Gly His Lys
```

1

```
<210> 961
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 961
Glu Gly Tyr Pro His Lys
<210> 962
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 962
Glu Ser Gly Pro His Lys
<210> 963
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 963
Glu Gly Pro His Tyr Lys
<210> 964
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 964
Glu Ser Pro His Gly Lys
<210> 965
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 965
Glu Gln Pro Gly Tyr Asn
 1
```

```
<210> 966
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 966
Glu Gln Pro Ser Gly Asn
<210> 967
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 967
Glu Gln Gly Tyr Pro Asn
<210> 968
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 968
Glu Gln Ser Gly Pro Asn
<210> 969
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 969
Glu Gly Tyr Gln Pro Asn
                 5
<210> 970
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 970
Glu Ser Gly Gln Pro Asn
 1
                 5
```

```
<210> 971
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 971
Glu Gly Gln Pro Tyr Asn
<210> 972
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 972
Glu Ser Gln Pro Gly Asn
<210> 973
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 973
Glu Gln Phe Gly Tyr His
<210> 974
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 974
Glu Gln Phe Ser Gly His
<210> 975
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 975
Glu Gln Gly Tyr Phe His
```

```
<210> 976
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 976
Glu Gln Ser Gly Phe His
<210> 977
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 977
Glu Gly Tyr Gln Phe His
<210> 978
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 978
Glu Ser Gly Gln Phe His
<210> 979
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 979
Glu Gly Gln Phe Tyr His
<210> 980
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 980
Glu Ser Gln Phe Gly His
```

```
<210> 981
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 981
Glu Asn Pro Gly Tyr Thr
<210> 982
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 982
Glu Asn Pro Ser Gly Thr
<210> 983
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 983
Glu Asn Gly Tyr Pro Thr
<210> 984
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 984
Glu Asn Ser Gly Pro Thr
<210> 985
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 985
Glu Gly Tyr Asn Pro Thr
```

```
<210> 986
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 986
Glu Ser Gly Asn Pro Thr
<210> 987
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 987
Glu Gly Asn Pro Tyr Thr
<210> 988
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 988
Glu Ser Asn Pro Gly Thr
<210> 989
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 989
Glu Asn Phe Gly Tyr Asp
<210> 990
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 990
Glu Asn Phe Ser Gly Asp
 1
```

```
<210> 991
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 991
Glu Asn Gly Tyr Phe Asp
<210> 992
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 992
Glu Asn Ser Gly Phe Asp
<210> 993
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 993
Glu Gly Tyr Asn Phe Asp
<210> 994
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 994
Glu Ser Gly Asn Phe Asp
<210> 995
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 995
Glu Gly Asn Phe Tyr Asp
 1
```

```
<210> 996
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 996
Glu Ser Asn Phe Gly Asp
<210> 997
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 997
Glu Asn Asp Gly Tyr Pro
<210> 998
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 998
Glu Asn Asp Ser Gly Pro
<210> 999
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 999
Glu Asn Gly Tyr Asp Pro
<210> 1000
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1000
Glu Asn Ser Gly Asp Pro
1
```

```
<210> 1001
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1001
Glu Gly Tyr Asn Asp Pro
<210> 1002
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1002
Glu Ser Gly Asn Asp Pro
<210> 1003
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1003
Glu Gly Asn Asp Tyr Pro
<210> 1004
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1004
Glu Ser Asn Asp Gly Pro
<210> 1005
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1005
Glu Phe Gln Gly Tyr Pro
1
```

```
<210> 1006
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1006
Glu Phe Gln Ser Gly Pro
<210> 1007
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1007
Glu Phe Gly Tyr Gln Pro
<210> 1008
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1008
Glu Phe Ser Gly Gln Pro
<210> 1009
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1009
Glu Gly Tyr Phe Gln Pro
                 5 ·
<210> 1010
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1010
Glu Ser Gly Phe Gln Pro
 1
                 5
```

```
<210> 1011
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1011
Glu Gly Phe Gln Tyr Pro
<210> 1012
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1012
Glu Ser Phe Gln Gly Pro
<210> 1013
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1013
Glu Phe Lys Gly Tyr Thr
<210> 1014
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1014
Glu Phe Lys Ser Gly Thr
<210> 1015
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1015
Glu Phe Gly Tyr Lys Thr
```

```
<210> 1016
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1016
Glu Phe Ser Gly Lys Thr
<210> 1017
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1017
Glu Gly Tyr Phe Lys Thr
<210> 1018
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1018
Glu Ser Gly Phe Lys Thr
<210> 1019
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1019
Glu Gly Phe Lys Tyr Thr
<210> 1020
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1020
Glu Ser Phe Lys Gly Thr
 1
```

```
<210> 1021
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1021
Glu Phe Asp Gly Tyr His
<210> 1022
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1022
Glu Phe Asp Ser Gly His
<210> 1023
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1023
Glu Phe Gly Tyr Asp His
<210> 1024
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1024
Glu Phe Ser Gly Asp His
<210> 1025
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1025
Glu Gly Tyr Phe Asp His
```

```
<210> 1026
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1026
Glu Ser Gly Phe Asp His
<210> 1027
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1027
Glu Gly Phe Asp Tyr His
<210> 1028
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1028
Glu Ser Phe Asp Gly His
<210> 1029
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1029
Glu His Asn Gly Tyr Gln
<210> 1030
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1030
Glu His Asn Ser Gly Gln
 1
```

```
<210> 1031
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1031
Glu His Gly Tyr Asn Gln
<210> 1032
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1032
Glu His Ser Gly Asn Gln
<210> 1033
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1033
Glu Gly Tyr His Asn Gln
                 5
<210> 1034
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1034
Glu Ser Gly His Asn Gln
<210> 1035
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1035
Glu Gly His Asn Tyr Gln
```

```
<210> 1036
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1036
Glu Ser His Asn Gly Gln
<210> 1037
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1037
Glu His Lys Gly Tyr Pro
<210> 1038
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1038
Glu His Lys Ser Gly Pro
<210> 1039
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1039
Glu His Gly Tyr Lys Pro
<210> 1040
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1040
Glu His Ser Gly Lys Pro
```

```
<210> 1041
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1041
Glu Gly Tyr His Lys Pro
<210> 1042
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1042
Glu Ser Gly His Lys Pro
<210> 1043
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1043
Glu Gly His Lys Tyr Pro
<210> 1044
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1044
Glu Ser His Lys Gly Pro
<210> 1045
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1045
Glu Thr Asn Gly Tyr Lys
```

```
<210> 1046
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1046
Glu Thr Asn Ser Gly Lys
<210> 1047
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1047
Glu Thr Gly Tyr Asn Lys
<210> 1048
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1048
Glu Thr Ser Gly Asn Lys
<210> 1049
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1049
Glu Gly Tyr Thr Asn Lys
<210> 1050
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1050
Glu Ser Gly Thr Asn Lys
1
```

```
<210> 1051
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1051
Glu Gly Thr Asn Tyr Lys
<210> 1052
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1052
Glu Ser Thr Asn Gly Lys
<210> 1053
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1053
Glu Lys Pro Gly Tyr His
<210> 1054
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1054
Glu Lys Pro Ser Gly His
<210> 1055
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1055
Glu Lys Gly Tyr Pro His
```

```
<210> 1056
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1056
Glu Lys Ser Gly Pro His
<210> 1057
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1057
Glu Gly Tyr Lys Pro His
<210> 1058
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1058
Glu Ser Gly Lys Pro His
                  5
<210> 1059
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1059
Glu Gly Lys Pro Tyr His
<210> 1060
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1060
Glu Ser Lys Pro Gly His
 1
```

```
<210> 1061
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1061
Glu Leu Asn Gly Tyr Asp
<210> 1062
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1062
Glu Leu Asn Ser Gly Asp
<210> 1063
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1063
Glu Leu Gly Tyr Asn Asp
<210> 1064
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1064
Glu Leu Ser Gly Asn Asp
<210> 1065
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1065
Glu Gly Tyr Leu Asn Asp
```

```
<210> 1066
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1066
Glu Ser Gly Leu Asn Asp
<210> 1067
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1067
Glu Gly Leu Asn Tyr Asp
<210> 1068
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1068
Glu Ser Leu Asn Gly Asp
<210> 1069
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1069
Glu Asp Pro Gly Tyr Phe
<210> 1070
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1070
Glu Asp Pro Ser Gly Phe
```

```
<210> 1071
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1071
Glu Asp Gly Tyr Pro Phe
<210> 1072
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1072
Glu Asp Ser Gly Pro Phe
<210> 1073
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1073
Glu Gly Tyr Asp Pro Phe
                 5
<210> 1074
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1074
Glu Ser Gly Asp Pro Phe
<210> 1075
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1075
Glu Gly Asp Pro Tyr Phe
```

```
<210> 1076
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1076
Glu Ser Asp Pro Gly Phe
<210> 1077
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1077
Glu Asp Phe Gly Tyr Pro
<210> 1078
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1078
Glu Asp Phe Ser Gly Pro
<210> 1079
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1079
Glu Asp Gly Tyr Phe Pro
<210> 1080
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1080
Glu Asp Ser Gly Phe Pro
 1
                 5
```

```
<210> 1081
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1081
Glu Gly Tyr Asp Phe Pro
<210> 1082
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1082
Glu Ser Gly Asp Phe Pro
<210> 1083
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1083
Glu Gly Asp Phe Tyr Pro
<210> 1084
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1084
Glu Ser Asp Phe Gly Pro
<210> 1085
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1085
Pro Glu Gln Gly Tyr Asn
```

```
<210> 1086
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1086
Pro Glu Gln Ser Gly Asn
<210> 1087
<211> 6
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1087
Pro Glu Gly Tyr Gln Asn
<210> 1088
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1088
Pro Glu Ser Gly Gln Asn
                  5
<210> 1089
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1089
Pro Gly Tyr Glu Gln Asn
<210> 1090
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1090
Pro Ser Gly Glu Gln Asn
1
                 5
```

```
<210> 1091
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1091
Pro Gly Glu Gln Tyr Asn
<210> 1092
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1092
Pro Ser Glu Gln Gly Asn
<210> 1093
<211> 6
<212> PRT
<213> Artificial Sequence
<223> synthetic peptide
<400> 1093
Pro Glu Phe Gly Tyr Gln 1 5
<210> 1094
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 1094
Pro Glu Phe Ser Gly Gln
```